

Ground-Water Levels in the United States, 1973-74

Northeastern States

GEOLOGICAL SURVEY WATER-SUPPLY PAPER 2164

*Prepared in cooperation with the States
of Connecticut, Delaware, Indiana,
Maine, Massachusetts, Michigan, New
Hampshire, New Jersey, New York,
Ohio, Pennsylvania, Rhode Island, and
Vermont, and with other agencies*



UNITED STATES DEPARTMENT OF THE INTERIOR

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PREFACE

This report was prepared by the U.S. Geological Survey in cooperation with the States of Connecticut, Delaware, Indiana, Maine, Massachusetts, Michigan, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, and Vermont, and with other agencies, by personnel of the Water Resources Division, J. S. Cragwall, Jr., chief hydrologist, G. W. Whetstone, assistant chief hydrologist for Scientific Publications and Data Management, under the general direction of G. A. Billingsley, chief, Reports Section, and C. B. Ham, chief, Data Reports Unit.

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GROUND-WATER LEVELS IN THE UNITED STATES, 1973-74

NORTHEASTERN STATES

INTRODUCTION

Publication of ground-water level data for the United States in water-supply papers was begun by the Geological Survey in 1935. From 1935 through 1939, a single water-supply paper for each year covering the entire nation was issued (Water-Supply Papers 777, 817, 840, 845, and 886). Since then water-supply papers have been issued covering 6 separate sections of the United States as shown in figure 1. See table on page 2 for the number of the water-supply paper containing records by year and section.

Beginning in 1956, only water-level data from a basic network of observation wells have been published. This basic network contains observation wells so located that the most significant data are obtained from the fewest wells in the most important aquifers. In some States the basic network forms the skeletal index of a more comprehensive observation-well program. Publications that contain substantial additional water-level data are listed at the end of each State report in this volume.

Each well is identified by (1) a 15-digit number based on latitude and longitude, and (2) a local number that is provided for continuity with older reports and for other use as dictated by local needs. The first 6 digits of the 15-digit number are degrees, minutes, and seconds of north latitude; the next 7 digits are degrees (including a leading zero for those less than 100), minutes, and seconds of west longitude; and the final 2 digits are sequential numbers assigned in the order in which the wells (or other hydrologic sites) are established in that 1-second quadrangle. This system provides both the geographic location and a unique number for each well.

Measurements are made in many types of wells, under varying conditions of access and at different temperatures, hence, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the equipment and techniques used are those that will insure that measurements at each well are consistent.

Water-level measurements in this report are given in feet with reference to either mean sea level (msl) or land-surface datum (lsd). Mean sea level is the datum plane on which the national network of precise levels is based; land-surface datum is a datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum above mean sea level is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (eom).

In the well description, dimensions are given in International System Units (SI) as well as in English units. The factor 0.3048 is used to convert feet to meters; the factor

2.54 is used to convert inches to centimeters; and the factor 1.609 is used to convert miles to kilometers.

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth to water of several hundred feet, the error in determining the absolute value of the total depth to water may be a few tenths of a foot, whereas the error in determining the net change of water level between successive measurements may be only a hundredth or a few hundredths of a foot. For lesser depths to water the accuracy is greater. Accordingly, most measurements are reported to a hundredth of a foot, but some are given only to a tenth of a foot or a larger unit.

Measurements were made by the Water Resources Division of the Geological Survey under the direction of personnel listed in the preface.

Numbers of water-supply papers containing records of water levels in the United States, 1940-74

Year	North-eastern (1)	South-eastern (2)	North-central (3)	South-central (4)	North-western (5)	South-western (6)
1940	906	907	908	909	910	911
1941	936	937	938	939	940	941
1942	944	945	946	947	948	949
1943	986	987	988	989	990	991
1944	1016	1017	1018	1019	1020	1021
1945	1023	1024	1025	1026	1027	1028
1946	1071	1072	1073	1074	1075	1076
1947	1096	1097	1098	1099	1100	1101
1948	1126	1127	1128	1129	1130	1131
1949	1156	1157	1158	1159	1160	1161
1950	1165	1166	1167	1168	1169	1170
1951	1191	1192	1193	1194	1195	1196
1952	1221	1222	1223	1224	1225	1226
1953	1265	1266	1267	1268	1269	1270
1954	1321	1322	1323	1324	1325	1326
1955	1404	1405	1406	1407	1408	1409
1956	....	....	1456	....	....	....
1956-57	1537	....	....	....	....	....
1956-58	....	1538	....	....	....	....
1956-59	....	....	....	1549	....	....
1956-60	....	....	....	....	1760	1770
1957-61	....	....	1781	....	....	....
1958-62	1782	....	....	....	....	....
1959-63	....	1803	....	....	....	....
1960-64	....	....	....	1824	....	....
1961-65	....	....	....	....	1845	1855
1962-66	....	....	1976	....	....	....
1963-67	1977	....	....	....	....	....
1964-68	....	1978	....	....	....	....
1965-69	....	....	....	1979	....	....
1966-70	....	....	....	....	1980	2010
1967-71	....	....	2090	....	....	....
1968-72	2140	....	....	....	....	....
1969-73	....	2171	....	....	....	....
1970-74	....	....	....	2172	....	....
1971-74	....	....	....	....	2161	2162
1972-74	....	....	2163	....	....	....
1973-74	2164	....	....	....	....	....

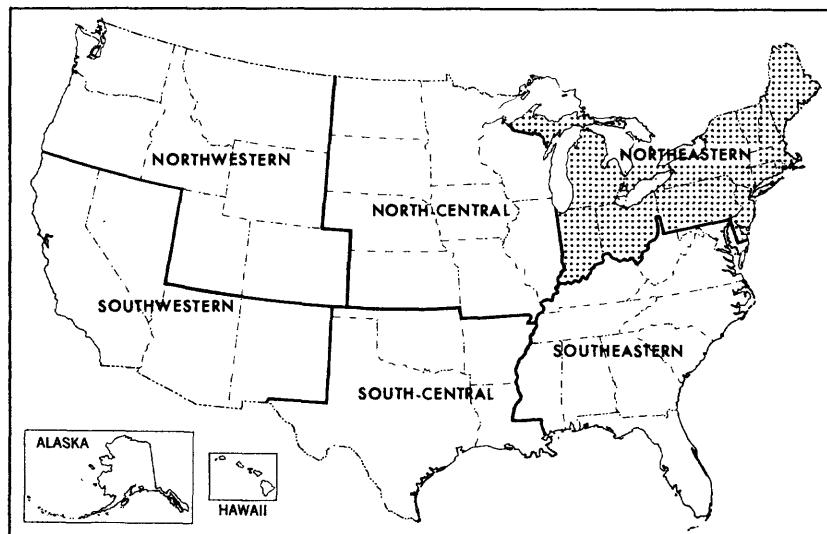


Figure 1. Map of the United States showing States for which records of water levels are published in this volume

CONNECTICUT

The observation-well program in Connecticut was continued during the period 1973 through 1974 in cooperation with the State Department of Environmental Protection. Figure 2 shows the location of wells included in this report.

Well-Numbering System

Wells are numbered according to their latitude-longitude location, as explained on page 1. Local well numbers are also given.

The local well number consists of an abbreviation of a town name and a serial number assigned within the town.

Well Descriptions and Water-Level Measurements

Water levels are reported in feet below land-surface datum, except for wells NHN 170, NHN 175, NHN 179, and NHN 235 where they are above and below mean sea level.

Fairfield County

413007073250501. Local number BD 8. U.S. Geol. Survey. Rte. 7, Brookfield. Bored unused water-table well in sand and gravel of Pleistocene age, diam $1\frac{1}{2}$ in (3.2 cm), depth 53 ft (16 m), cased, well point 50-53 ft (15-16 m). Lsd about 255 ft (78 m) above ms1. MP top of casing, 0.40 ft (0.12 m) above lsd. Highest water level 26.89 ft (8.20 m) below lsd, June 26, 1972; lowest 33.05 ft (10.07 m) below lsd, Jan. 4, 1967. Records available: 1967-74.

Date	Water level						
Jan. 22, 1973	27.80	July 24, 1973	29.43	Jan. 23, 1974	29.48	July 22, 1974	30.89
Feb. 23	27.55	Aug. 21	30.40	Feb. 22	28.66	Aug. 23	31.88
Mar. 23	28.05	Sept. 21	31.55	Mar. 21	29.07	Sept. 23	32.10
Apr. 24	27.86	Oct. 23	32.34	Apr. 24	27.84	Oct. 22	31.74
May 23	28.06	Nov. 19	32.56	May 23	28.58	Nov. 22	31.96
June 22	29.36	Dec. 28	30.60	June 24	29.82	Dec. 26	30.70

411256073153101. Local number FF 23. U.S. Geol. Survey. Merritt Parkway near Rte. 59, Fairfield. Bored unused water-table well in glacial gravel of Pleistocene age, diam $1\frac{1}{2}$ in (3.2 cm), depth 42 ft (13 m), cased with steel, screened 39-42 ft (12-13 m). Lsd 130 ft (40 m) above ms1. MP top of casing, 2.40 ft (0.73 m) above lsd. Highest water level 4.78 ft (1.46 m) below lsd, June 23, 1972; lowest 8.79 ft (2.68 m) below lsd, Sept. 25, 1967. Records available: 1966-74.

Jan. 22, 1973	7.93	July 23, 1973	8.66	Mar. 21, 1974	7.86	Aug. 23, 1974	8.57
Feb. 22	7.98	Aug. 22	8.30	Apr. 24	7.75	Sept. 25	8.27
Mar. 23	7.78	Oct. 23	8.53	May 23	8.21	Oct. 25	8.13
Apr. 23	7.74	Nov. 20	8.38	June 24	8.24	Nov. 21	8.12
May 22	7.25	Jan. 24, 1974	6.70	July 26	8.60	Dec. 23	7.74
June 21	8.26	Feb. 22	7.90				

412429073165101. Local number NT 15. U.S. Geol. Survey. Near Fairfield State Hospital, Newtown. Bored unused water-table well in glacial sand and gravel of Pleistocene age, diam $1\frac{1}{2}$ in (3.2 cm), depth 33 ft (10 m), cased with plastic, well point 31-33 ft (9-10 m). Lsd about 265 ft (81 m) above ms1. MP lowest inside edge of plastic pipe, 2.40 ft (0.73 m) above lsd. Highest water level 0.61 ft (0.19 m) below lsd, June 26, 1972; lowest 10.50 ft (3.20 m) below lsd, Oct. 23, 1970. Records available: 1967-74.

Jan. 22, 1973	2.93	July 24, 1973	3.93	Jan. 23, 1974	1.85	July 23, 1974	7.78
Feb. 23	3.02	Aug. 21	5.93	Feb. 22	2.15	Aug. 23	8.43
Mar. 23	3.00	Sept. 21	7.75	Mar. 21	2.43	Sept. 23	4.74
Apr. 24	2.20	Oct. 23	8.91	Apr. 24	1.95	Oct. 25	3.56
May 23	2.24	Nov. 20	9.12	May 23	3.98	Nov. 22	4.13
June 22	4.33	Dec. 28	2.26	June 24	6.08	Dec. 26	2.32

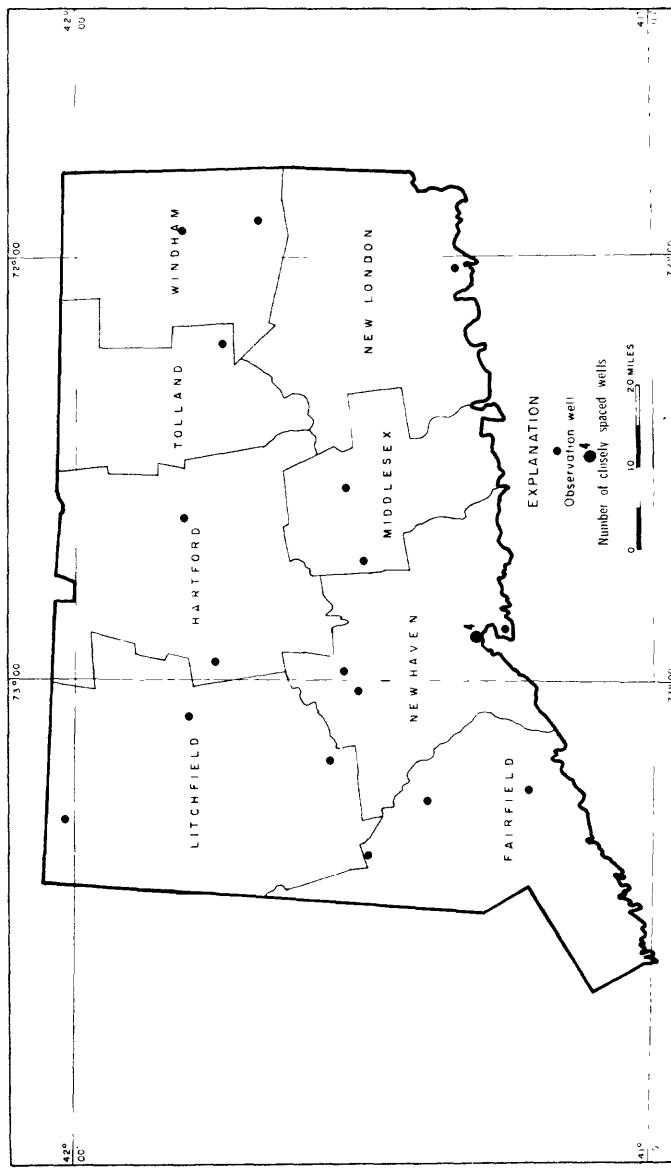


Figure 2.--Location of observation wells in Connecticut, 1973-74.

GROUND-WATER LEVELS, 1973-74, NORTHEASTERN STATES

Hartford County

414615072581601. Local number BU 2. Snow Realty. Formerly John Copjec. Junction of State Rtes. 44 and 69, Burlington. Dug domestic water-table well in glacial till of Pleistocene age, diam 36 in (91 cm), depth 38 ft (12 m), lined with stone. Lsd about 680 ft (268 m) above msl. MP top of curb, 3.00 ft (0.91 m) above lsd. Highest water level 12.70 ft (3.87 m) below lsd, Aug. 19, 1955; lowest 37.41 ft (11.40 m) below lsd, Dec. 22, 1948. Records available: 1946-74.

Date	Water level						
Jan. 22, 1973	17.70	July 24, 1973	17.58	Jan. 23, 1974	18.16	July 24, 1974	23.45
Feb. 23	17.60	Aug. 21	19.08	Feb. 22	17.80	Aug. 23	26.93
Mar. 23	17.83	Sept. 21	21.44	Mar. 21	18.33	Sept. 23	30.70
Apr. 24	16.60	Oct. 23	23.89	Apr. 24	16.69	Oct. 25	26.73
May 23	16.85	Nov. 20	24.84	May 23	18.00	Nov. 22	24.02
June 22	17.74	Dec. 21	21.98	June 24	19.98	Dec. 26	19.94

414910072372101. Local number SW 64. Frank Pierce, Jr. Formerly Robert S. Starr, Jr. Main St., South Windsor. Dug unused water-table well in glacial sand of Pleistocene age, diam 24 in (61 cm), depth 18 ft (5 m), lined with brick. Lsd about 40 ft (12 m) above msl. MP top edge of hole in flagstone cover, 0.50 ft (0.15 m) above lsd. Highest water level 7.15 ft (2.18 m) below lsd, Mar. 30, 1936; lowest 15.22 ft (4.64 m) below lsd, Jan. 26, 1966. Records available: 1934-39, 1948-74.

Date	Water level						
Jan. 22, 1973	9.37	July 24, 1973	9.77	Jan. 22, 1974	9.74	July 24, 1974	11.15
Feb. 22	8.77	Aug. 22	10.58	Feb. 20	9.37	Aug. 27	11.87
Mar. 23	8.40	Sept. 25	10.53	Mar. 22	9.13	Sept. 23	11.37
Apr. 23	8.57	Oct. 23	11.28	Apr. 24	8.57	Oct. 24	11.08
May 22	8.48	Nov. 26	11.58	May 20	9.53	Nov. 22	11.08
June 21	9.67	Dec. 26	9.43	June 20	10.61	Dec. 26	10.55

Litchfield County

420125073193001. Local number NOC 7. James Lyles. U.S. Rte. 7 and East Main St., North Canaan. Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 24 in (61 cm), depth 12 ft (4 m), lined with stone. Lsd about 675 ft (206 m) above msl. MP top of concrete curb, at lsd. Highest water level 7.60 ft (2.32 m) below lsd, Mar. 26, 1963; lowest 11.18 ft (3.41 m) below lsd, Sept. 5, 1961. Records available: 1958-74.

Date	Water level						
Jan. 22, 1973	9.21	July 24, 1973	9.42	Jan. 22, 1974	9.10	July 22, 1974	9.66
Feb. 22	9.14	Aug. 21	9.38	Feb. 22	9.17	Aug. 23	10.07
Mar. 23	8.80	Sept. 21	9.54	Mar. 21	8.94	Sept. 23	9.05
Apr. 24	9.15	Oct. 23	9.63	Apr. 23	8.97	Oct. 21	9.14
May 23	8.86	Nov. 20	9.38	May 22	9.06	Nov. 22	9.04
June 22	9.37	Dec. 20	8.96	June 24	9.47	Dec. 26	9.00

414910073072301. Local number T 2. Warrenton Woolen Co. 839 Main St., Torrington. Drilled unused artesian well in crystalline bedrock, diam 8 in (20 cm), depth 381 ft (116 m), cased to 34 ft (10 m). Lsd about 650 ft (198 m) above msl. MP top of casing, at lsd. Highest water level 5.02 ft (1.53 m) below lsd, May 8, 1972; lowest 8.60 ft (2.62 m) below lsd, Sept. 19, 1964. Records available: 1958-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1, 1973	5.42	Aug. 6, 1973	6.83	Jan. 31, 1974	5.62	July 15, 1974	6.75
8	5.82	13	6.91	Feb. 4	5.91	22	6.83
15	6.40	20	7.08	11	6.30	29	6.92
22	6.40	27	7.20	18	6.52	Aug. 5	7.02
29	6.14	Sept. 3	6.88	25	6.08	12	7.16
Feb. 5	5.60	10	7.00	Mar. 4	6.24	19	7.05
12	6.05	17	7.00	11	6.17	Sept. 3	6.95
Mar. 19	5.70	24	6.99	18	5.87	9	6.50
26	5.89	Oct. 1	7.12	25	5.80	16	6.75
Apr. 2	5.73	8	7.19	Apr. 1	5.84	23	6.41
9	5.80	15	7.22	8	5.82	Oct. 1	5.95
30	6.16	22	7.35	15	5.68	7	6.40
May 7	6.15	29	7.44	22	6.06	14	6.60
14	6.00	Nov. 5	6.50	29	6.36	21	6.42
21	5.64	12	6.70	May 6	6.37	29	6.56
29	6.04	19	6.95	13	5.97	Nov. 4	6.38
June 4	6.23	26	6.69	20	6.31	11	6.45
11	6.59	Dec. 3	6.48	28	6.53	19	6.35
16	6.55	10	5.88	June 3	6.60	25	6.24
18	6.70	17	5.86	10	6.77	Dec. 2	6.33
25	6.84	24	5.79	17	6.85	9	5.64
July 2	6.17	31	5.63	24	6.86	16	6.04
9	6.27	Jan. 7, 1974	6.06	July 1	6.97	23	6.12
23	6.72	14	6.25	9	6.55	30	6.31
30	6.82	21	6.37				

413202073122401. Local number WY 1. Irene Boultbee. Formerly Irene Thulin. Main St., about 500 ft (152 m) south of Orenaug Rd., Woodbury. Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 30 in (76 cm), depth 31 ft (9 m), lined with stone. Lsd about 270 ft (82 m) above msl. MP top of hole in cover, 2.62 ft (0.80 m) above lsd. Highest water level 19.44 ft (5.93 m) below lsd, Apr. 1, 1953; lowest 31.00 ft (9.45 m) below lsd, Oct. 10, 1914. Records available: 1913-16, 1944-74. Water levels affected by pumping.

CONNECTICUT, NEW HAVEN COUNTY

7

413202073122401--Continued.

Date	Water level						
Jan. 22, 1973	20.76	July 24, 1973	21.80	Jan. 23, 1974	21.33	July 23, 1974	24.88
Feb. 23	20.56	Aug. 21	23.12	Feb. 22	21.02	Aug. 23	28.20
Mar. 23	21.18	Sept. 21	26.38	Mar. 21	21.71	Sept. 23	29.17
Apr. 24	20.74	Oct. 23	29.34	Apr. 24	21.01	Oct. 25	26.71
May 23	21.24	Nov. 20	29.37	May 23	21.81	Nov. 22	25.46
June 22	22.04	Dec. 21	26.60	June 24	22.80	Dec. 26	22.23

Middlesex County

413033072432001. Local number MF 1. Lyman Gun Sight Corp. Near Baileyville, Middlefield. Dug unused water-table well in glacial till of Pleistocene age, diam 24 in (61 cm), depth 22 ft (7 m), lined with stone. Lsd about 260 ft (79 m) above msl. MP top of north side of flagstone curb, at lsd. Highest water level 3.02 ft (0.92 m) below lsd, Mar. 22, 1974; lowest 16.92 ft (5.16 m) below lsd, Nov. 24, 1964. Records available: 1946-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23, 1973	6.92	July 24, 1973	10.24	Jan. 24, 1974	3.05	July 26, 1974	12.02
Feb. 21	6.66	Aug. 22	11.64	Feb. 22	5.00	Aug. 23	13.44
Mar. 26	5.70	Sept. 25	13.58	Mar. 22	3.02	Sept. 26	12.52
Apr. 23	6.42	Oct. 23	13.88	Apr. 24	5.97	Oct. 25	11.00
May 23	3.30	Nov. 20	14.15	May 23	7.76	Nov. 21	8.33
June 21	8.55	Dec. 26	3.91	June 24	10.33	Dec. 23	5.57

413254072335501. Local number MT 261. United Aircraft Corp. Middletown. Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 36 in (91 cm), depth 28 ft (9 m), lined with stone. Lsd about 145 ft (44 m) above msl. MP top of stone cover, at lsd. Highest water level (revised), 17.86 ft (5.44 m) below lsd, June 26, 1972; lowest dry, Dec. 2, 1957. Records available: 1956-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23, 1973	19.23	July 24, 1973	20.88	Jan. 24, 1974	18.49	July 26, 1974	22.10
Feb. 23	18.90	Aug. 21	21.61	Feb. 22	19.18	Aug. 23	23.62
Mar. 23	19.24	Sept. 25	23.33	Mar. 21	18.93	Oct. 25	23.90
Apr. 23	19.20	Oct. 23	24.67	Apr. 24	19.08	Nov. 21	23.28
May 23	16.75	Nov. 20	24.87	May 23	19.80	Dec. 23	19.10
June 21	20.39	Dec. 21	19.95	June 24	20.90		

New Haven County

411457072524501. Local number EHV 70. P. Federico. Formerly H. A. Doolittle. Silver Sands Rd., East Haven. Dug unused water-table well in glacial till of Pleistocene age, diam 24 in (61 cm), depth 16 ft (5 m), cased with cement tile. Lsd about 25 ft (8 m) above msl. MP top of concrete curb, 2.10 ft (0.64 m) above lsd. Highest water level 6.44 ft (1.96 m) below lsd, June 21, 1972; lowest 16.03 ft (4.89 m) below lsd, Nov. 22, 1935. Records available: 1935-39, 1951-74.

Date	Water level						
Jan. 22, 1973	9.54	July 24, 1973	11.70	Jan. 24, 1974	8.62	July 26, 1974	12.20
Feb. 22	9.23	Aug. 22	12.10	Feb. 22	9.70	Aug. 23	14.65
Mar. 23	9.21	Sept. 25	11.30	Mar. 22	8.04	Sept. 25	14.42
Apr. 23	9.16	Oct. 23	14.50	Apr. 24	9.15	Oct. 25	13.40
May 22	9.54	Nov. 20	14.65	May 23	10.75	Nov. 22	13.50
June 21	10.92	Dec. 21	9.40	June 24	11.60	Dec. 23	10.33

411842072553601. Local number NHN 170. Yale University. Grove and College Sts., New Haven. Driven unused water-table well in glacial sand of Pleistocene age, diam 2 in (5.1 cm), depth 14 ft (4 m), cased. Lsd 41.09 ft (12.52 m) above msl. MP top of casing, 23.39 ft (7.13 m) above msl. Highest water level 19.31 ft (5.89 m) above msl, July 24, 1972; lowest 15.64 ft (4.77 m) above msl, Jan. 14, 1942. Records available: 1939-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22, 1973	+18.37	May 22, 1973	+18.73	Oct. 23, 1973	+17.79	Feb. 22, 1974	+18.35
Feb. 22	18.83	June 21	18.57	Nov. 20	17.79	Mar. 22	18.26
Mar. 23	18.56	July 24	18.33	Dec. 26	17.59	Apr. 24	18.63
Apr. 23	18.80	Aug. 22	18.20	Jan. 24, 1974	18.03	Aug. 23	17.89

411838072570701. Local number NHN 175. Monarch Laundry. Derby Ave. and Ellsworth St., New Haven. Drilled unused water-table well in glacial sand of Pleistocene age, diam 6 in (15 cm), depth 54 ft (16 m), casing information not available. Lsd 32.84 ft (10.01 m) above msl. MP top of shelf, 33.84 ft (10.31 m) above msl. Highest water level 5.42 ft (1.65 m) above msl, May 28, 1953; lowest 2.27 ft (0.69 m) above msl, Dec. 17, 1941. Records available: 1939-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22, 1973	+5.11	June 21, 1973	+5.25	Dec. 26, 1973	+4.64	May 23, 1974	+4.67
Feb. 22	5.13	July 24	5.38	Jan. 24, 1974	4.58	June 24	4.69
Mar. 23	5.13	Aug. 22	5.24	Feb. 22	4.56	July 26	4.67
Apr. 23	5.16	Oct. 23	5.03	Mar. 22	4.57	Aug. 23	4.65
May 22	5.20	Nov. 20	4.77	Apr. 24	4.60	Sept. 25	4.61

411829072542001. Local number NHN 179. Porto Construction Co. Grand Ave. and Haven St., New Haven. Driven unused water-table well in glacial sand of Pleistocene age, diam 3 in (7.6 cm), depth 65 ft (20 m), cased. Lsd 13.76 ft (4.19 m) above msl. MP top of casing, 14.36 ft (4.38 m) above msl. Highest water level 0.79 ft (0.24 m) below msl, Mar. 22, 1974; lowest 7.57 ft (2.31 m) below msl, July 26, 1971. Records available: 1960-74.

411829072542001--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22, 1973	1.94	June 21, 1973	1.64	Dec. 26, 1973	2.44	May 23, 1974	1.76
Feb. 22	1.64	July 24	1.12	Jan. 24, 1974	1.66	June 24	1.72
Mar. 23	1.84	Aug. 22	1.74	Feb. 22	1.64	July 26	1.14
Apr. 23	1.51	Oct. 23	2.37	Mar. 22	1.79	Aug. 23	2.10
May 22	.94	Nov. 20	2.67	Apr. 24	1.44	Sept. 25	2.24

411805072545801. Local number NHH 235. C. Cowles and Co. Chestnut and Water Sts., New Haven. Drilled unused water-table well in glacial sand of Pleistocene age, diam 8 in (20 cm), depth 39 ft (12 m), screened 28-38 ft (9-12 m). Lsd 14.80 ft (4.51 m) above msl. MP seat of manhole cover, 14.80 ft (4.51 m) above msl. Highest water level 5.95 ft (1.81 m) above msl, Mar. 22, 1974; lowest 2.30 ft (0.70 m) below msl, Aug. 31, 1944. Records available: 1940-74. Water levels affected by pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22, 1973	+3.26	June 21, 1973	+3.00	Dec. 26, 1973	+4.67	May 23, 1974	+3.48
Feb. 22	3.42	July 24	3.20	Jan. 24, 1974	4.04	June 24	3.97
Mar. 23	3.23	Aug. 22	3.20	Feb. 22	4.40	July 26	2.83
Apr. 23	3.38	Oct. 23	2.81	Mar. 22	5.95	Aug. 23	2.77
May 22	3.20	Nov. 20	2.72	Apr. 24	4.02	Sept. 25	2.68

413134073021701. Local number WB 93. Mrs. Simeon W. Nichols, 131 Pearl Lake Rd., Waterbury. Dug unused water-table well in glacial gravel of Pleistocene age, diam 32 in (81 cm), depth 33 ft (10 m), lined with stone. Lsd about 320 ft (98 m) above msl. MP bottom edge of flagstone at northwest corner of well, at lsd. Highest water level 23.99 ft (7.31 m) below lsd, Apr. 1, 1953; lowest 29.68 ft (9.05 m) below lsd, Sept. 27, 1962. Records available: 1944-74.

Date	Water level						
Jan. 22, 1973	26.58	July 24, 1973	26.43	Jan. 23, 1974	26.82	July 24, 1974	28.00
Feb. 23	26.47	Aug. 21	28.10	Feb. 22	26.74	Aug. 21	28.10
Mar. 23	26.60	Sept. 21	28.11	Mar. 21	26.79	Sept. 23	27.48
Apr. 24	26.28	Oct. 23	28.18	Apr. 24	25.97	Oct. 25	27.20
May 23	26.71	Nov. 20	27.90	May 23	27.15	Nov. 21	27.37
June 22	27.28	Dec. 21	26.80	June 24	27.75	Dec. 26	25.10

413245072584201. Local number WB 198. A. A. Baker, 185 Pierpont Rd., Waterbury. Dug domestic water-table well in glacial till of Pleistocene age, diam 30 in (76 cm), depth 31 ft (9 m), lined with stone. Lsd about 540 ft (165 m) above msl. MP top of flagstone at southeast corner of well, at lsd. Highest water level 5.49 ft (1.67 m) below lsd, Jan. 10, 1946; lowest 21.00 ft (6.40 m) below lsd, Nov. 26, 1949. Records available: 1944-74.

Date	Water level						
Jan. 22, 1973	11.76	July 24, 1973	12.94	Jan. 23, 1974	12.17	July 24, 1974	16.02
Feb. 23	11.36	Aug. 21	14.34	Feb. 22	12.16	Aug. 21	17.23
Mar. 23	11.55	Sept. 21	16.49	Mar. 21	12.19	Sept. 23	15.98
Apr. 24	11.24	Oct. 23	18.12	Apr. 24	10.79	Oct. 25	15.50
May 23	11.38	Nov. 20	18.55	May 23	12.70	Nov. 22	15.55
June 22	12.42	Dec. 21	15.97	June 24	14.33	Dec. 26	12.39

New London County

412013072030601. Local number GT 19. John E. Ackley, Jr. Poquonock Plains, Groton. Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 24 in (61 cm), depth 18 ft (5 m), lined with stone. Lsd about 22 ft (7 m) above msl. MP bottom of fieldstone on west side of well, at lsd. Highest water level 9.98 ft (3.04 m) below lsd, Apr. 6, 1970; lowest 17.97 ft (5.48 m) below lsd, Oct. 6, 1963. Records available: 1958-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1, 1973	12.81	July 2, 1973	15.85	Jan. 7, 1974	13.44	July 2, 1974	16.10
9	13.18	10	16.03	14	14.03	10	16.30
14	13.75	16	15.95	20	14.20	15	16.40
20	14.35	20	15.68	28	13.17	20	16.50
28	14.26	30	15.28	Feb. 5	13.42	30	16.70
Feb. 4	12.28	Aug. 6	15.67	11	13.82	Aug. 2	17.32
12	12.80	13	15.94	20	14.39	5	16.88
20	13.53	19	15.44	25	14.22	12	16.97
26	14.12	24	15.55	Mar. 4	14.26	20	17.16
Mar. 5	14.56	Sept. 1	16.02	11	14.58	27	17.30
12	14.48	9	16.24	20	14.16	Sept. 9	16.92
20	14.38	16	16.42	27	12.86	16	16.88
26	14.38	20	16.43	Apr. 2	13.00	20	17.00
Apr. 2	14.26	24	16.49	9	13.50	23	16.98
9	11.94	Oct. 1	16.49	15	12.97	30	16.96
15	12.35	7	16.60	20	13.53	Oct. 13	16.89
20	13.18	15	16.71	28	14.15	20	16.59
30	13.78	20	16.88	May 5	14.65	28	16.66
May 7	14.20	29	16.05	13	15.01	Nov. 4	16.80
13	14.46	Nov. 5	16.55	20	15.25	11	16.90
20	14.73	12	16.58	28	15.49	20	17.19
28	13.88	20	16.76	June 3	15.57	29	17.02
June 4	14.29	26	16.82	10	15.63	Dec. 7	16.52
11	14.82	Dec. 3	16.39	20	15.99	14	15.62
20	15.39	10	16.22	24	15.97	20	14.78
25	15.63	20	13.79				

Tolland County

414548072114501. Local number MS 19. C. T. DeBoer. State Rte. 189 and Cemetery Rd., Mansfield. Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 36 in (91 cm), depth 22 ft (7 m), cased with cement tile. Lsd about 260 ft (79 m) above msl. MP top of tile, at lsd. Highest water level 6.89 ft (2.71 m) below lsd, Mar. 24, 1972; lowest 15.72 ft (4.79 m) below lsd, Jan. 26, 1966. Records available: 1958-74.

Date	Water level						
Jan. 22, 1973	9.82	July 24, 1973	11.14	Jan. 22, 1974	9.75	July 24, 1974	12.43
Feb. 22	9.67	Aug. 22	10.92	Feb. 20	9.83	Aug. 27	13.39
Mar. 23	9.87	Sept. 25	11.43	Mar. 22	9.60	Sept. 23	12.95
Apr. 23	9.64	Oct. 23	11.88	Apr. 24	9.61	Oct. 24	12.29
May 22	10.05	Nov. 26	11.87	May 20	10.34	Nov. 22	12.08
June 21	10.71	Dec. 27	9.43	June 21	11.32	Dec. 26	10.77

Windham County

414911071562001. Local number BK 41. Richard Brouillard. Darby and Barrett Hill Rds., Brooklyn. Drilled unused artesian well in crystalline bedrock, diam 6 in (15 cm), depth 107 ft (33 m), cased to 9 ft (3 m). Lsd about 330 ft (101 m) above msl. MP top of casing, 1.15 ft (0.35 m) above lsd. Highest water level 4.05 ft (1.23 m) below lsd, Mar. 24, 1972; lowest 17.60 ft (5.36 m) below lsd. Sept. 27, 1957. Records available: 1957-74.

Date	Water level						
Jan. 22, 1973	9.33	July 24, 1973	11.80	Jan. 22, 1974	5.47	June 21, 1974	11.63
Feb. 22	9.50	Aug. 22	13.40	Feb. 20	7.05	July 24	13.36
Mar. 23	9.15	Oct. 23	13.74	Mar. 22	5.05	Sept. 23	13.39
Apr. 23	9.57	Nov. 26	12.55	Apr. 24	7.98	Oct. 24	10.91
May 22	10.05	Dec. 27	5.20	May 20	9.42	Dec. 26	8.46
June 21	12.45						

414054071552001. Local number PL 1. Clifford Starkweather. Pleasant St., Plainfield. Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 36 in (91 cm), depth 34 ft (10 m), lined with brick. Lsd about 180 ft (55 m) above msl. MP top of stone curb, at lsd. Highest water level 27.24 ft (8.30 m) below lsd, Apr. 28, 1953; lowest 33.22 ft (10.13 m) below lsd, Feb. 11, 1966. Records available: 1942-74. Affected by pumping of well 2,000 ft (610 m) distant since about August 1962.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22, 1973	28.12	July 24, 1973	30.34	Jan. 22, 1974	29.65	July 24, 1974	30.82
Feb. 22	28.08	Aug. 22	30.27	Feb. 20	29.18	Aug. 27	31.61
Mar. 23	28.79	Sept. 25	30.78	Mar. 22	29.16	Sept. 23	31.83
Apr. 23	28.61	Oct. 23	31.15	Apr. 24	28.91	Oct. 24	31.32
May 22	28.87	Nov. 26	31.48	May 20	29.50	Nov. 25	31.23
June 21	29.94	Dec. 27	30.50	June 21	30.24	Dec. 26	30.37

DELAWARE

The observation-well program in Delaware was continued during 1973 through 1974. Figure 3 shows the location of observation wells included in this report.

Well-Numbering System

Wells are numbered according to their latitude-longitude location, as explained on page 1. Local well numbers are also given.

The State of Delaware is divided into 5-minute quadrangles of latitude and longitude. The quadrangles are lettered north to south with uppercase letters, and west to east with lowercase letters. The 5-minute quadrangle is further subdivided into 25 one-minute blocks, numbered from north to south in series of tens from 10 to 50, and from west to east in units from 1 to 5. A well in one of these blocks is designated by a capital letter, a small letter, and a two-digit number, followed by a hyphen and a serial number, as, for example, well Nc45-1 in northwestern Sussex County.

Well Descriptions and Water-Level Measurements

Water levels are reported in feet below land-surface datum.

Kent County

391026075304901. Local number Id55-1. City of Dover. White Oak Rd., Dover. Drilled observation artesian well in Piney Point aquifer, diam $2\frac{1}{2}$ in (6.4 cm), depth 349 ft (106 m), cased 0-329 ft (0-100 m), screened 329-349 ft (100-106 m). Lsd 20 ft (6 m) above ms1. MP top of casing, at lsd. Highest water level 67.40 ft (20.54 m) below lsd, May 5, 1970; lowest 103.0 ft (31.4 m) below lsd, Sept. 22, 1974. Records available: 1969-74. Water levels influenced by pumping in the Dover area.

Water level at noon, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	77.20	74.87	74.90	74.15	74.48	75.70	78.90	82.35	.....	91.02	89.92	87.32
10	76.87	74.68	74.68	73.87	74.33	76.52	78.60	82.75	91.83	90.20	89.80	86.82
15	76.28	74.43	74.50	74.13	74.49	78.30	78.43	85.50	.....	90.30	89.52	86.58
20	75.82	74.36	74.55	74.80	74.87	78.61	78.34	86.98	93.00	90.51	90.00	86.12
25	75.53	75.11	74.45	74.70	74.88	78.86	78.62	.....	93.00	90.30	88.83	85.95
Em	75.16	74.90	74.42	74.50	74.60	79.65	79.68	.....	92.06	89.90	87.90	85.40
1974												
5	85.00	.....	83.90	84.38	84.38	88.65	93.20	.....	102.27	102.39	100.08	97.44
10	84.93	.....	83.71	84.38	84.89	88.65	93.23	99.28	101.25	102.72	100.78	97.11
15	83.95	83.71	83.50	83.20	84.90	90.53	94.24	99.22	102.01	102.00	100.30	97.00
20	.....	83.69	.....	83.00	86.18	91.72	95.29	100.50	102.25	101.64	99.11	96.67
25	.....	83.98	.....	e83.10	88.00	93.73	.....	101.50	102.61	100.75	99.09	96.12
Em	.....	84.22	.....	83.85	88.81	93.69	.....	102.04	102.42	100.47	98.20	94.60

e Estimated.

390935075320001. Local number Jd14-1. City of Dover. Division St., Dover. Drilled unused artesian well in Cheswold aquifer of Miocene age, diam 12 in (30 cm), depth 227 ft (69 m), cased 0-195 ft (0-59 m), screened 195-230 ft (59-70 m). Lsd 35 ft (11 m) above ms1. MP top of casing, at lsd. Highest water level 107.0 ft (32.6 m) below lsd, Jan. 14, 1974; lowest 131.4 ft (40.1 m) below lsd, Sept. 2, 1972. Records available: 1972-74. Water levels influenced by pumping in the Dover area.

Water level at noon, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	126.6	127.5	117.9	115.7	
10	129.0	128.3	123.7	120.2	114.6	
15	130.1	122.5	118.5	117.4		
20	124.5	130.6	123.0	115.8	116.4	
25	129.5	127.8	121.4	113.3	111.8	
Em	130.4	129.4	116.5	114.6	110.6	

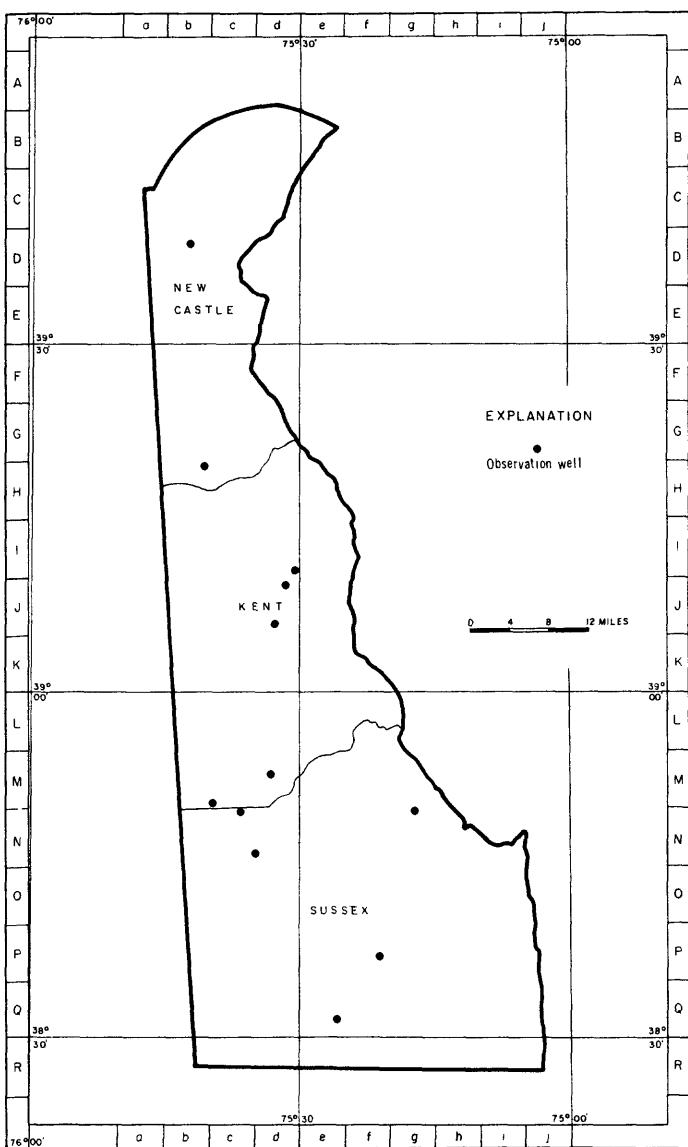


Figure 3.--Location of observation wells in Delaware, 1973-74.

GROUND-WATER LEVELS, 1973-74, NORTHEASTERN STATES

390935075320001--Continued.

1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	112.8	113.9	118.0	....	124.9	127.3	125.2	126.0	126.5	130.0	121.4	121.5
10	113.4	117.4	120.2	....	126.5	127.2	123.9	128.8	125.1	128.9	122.5	120.3
15	111.0	116.6	119.1	....	125.2	131.0	122.3	128.6	126.3	122.8	121.5	122.5
20	116.0	114.4	....	123.1	122.6	130.1	125.4	125.5	127.4	126.7	....	123.2
25	116.5	114.2	....	122.7	126.2	128.4	125.8	125.2	127.0	125.8	....	114.9
Eom	115.3	120.7	....	122.1	124.4	127.1	128.0	128.9	127.1	125.0	122.2	114.5

1974

5	117.4	118.7	119.5	123.9	118.5	120.8	117.9	122.0	118.4	119.4	117.2	115.0
10	119.8	117.1	118.2	120.9	122.2	119.5	116.2	123.3	....	119.5	116.1	114.5
15	114.6	119.5	121.3	115.5	121.6	121.6	114.3	122.2	....	117.9	118.8	115.2
20	114.0	120.2	120.8	120.5	116.7	122.8	118.2	120.1	....	118.0	117.8	117.6
25	119.9	116.0	119.0	121.0	116.8	120.4	119.6	118.2	....	119.2	115.6	110.0
Eom	119.7	119.3	117.6	119.6	119.3	118.4	123.0	120.1	....	116.7	113.6	109.0

390607075331501. Local number Jd42-3. Dept. of Highways and Transportation. Formerly State Highway Dept. Near Camden. Bored observation water-table well in sand of Pleistocene age, diam 1 in (2.5 cm), depth 11 ft (3 m), well point 9-11 ft (2.7-3.4 m). Lsd about 44 ft (13 m) above ms1. MP top of casing, at lsd. Highest water level 3.08 ft (0.94 m) below lsd, June 2, 1952; lowest 9.16 ft (2.79 m) below lsd, Oct. 30, 1951. Records available: 1950-61, 1971-74.

Date	Water level						
Jan. 23, 1973	4.22	July 25, 1973	5.35	Jan. 24, 1974	5.33	July 24, 1974	5.87
Feb. 22	3.80	Aug. 23	5.60	Feb. 22	5.45	Aug. 23	6.19
Mar. 23	4.51	Sept. 21	5.76	Mar. 22	5.46	Sept. 24	6.50
Apr. 24	4.47	Oct. 24	6.55	Apr. 23	5.11	Oct. 24	6.98
May 24	5.05	Nov. 23	6.72	May 23	5.50	Nov. 25	7.41
June 24	5.07	Dec. 26	5.83	June 24	5.23	Dec. 23	7.25

385041075395601. Local number Mc51-1. Dept. of Highways and Transportation. Formerly State Highway Dept. Near Adamsville. Bored observation water-table well in sand of Pleistocene age, diam 1 in (2.5 cm), depth 18 ft (5 m), well point 16-18 ft (4.9-5.5 m). Lsd about 58 ft (17 m) above ms1. MP top of casing, at lsd. Highest water level 5.47 ft (1.67 m) below lsd, Aug. 6, 1967; lowest 15.24 ft (4.65 m) below lsd, Jan. 24, 1969. Records available: 1958-74. Measurement discontinued; well destroyed Aug. 26, 1974.

Jan. 10, 1973	8.21	May 10, 1973	10.47	Oct. 19, 1973	12.56	Mar. 15, 1974	11.14
29	8.64	June 10	11.17	Nov. 12	13.03	Apr. 22	9.83
Feb. 8	6.47	July 19	12.33	Dec. 21	12.97	June 7	10.01
Mar. 7	9.24	Aug. 13	11.79	Jan. 11, 1974	10.80	July 19	11.27
Apr. 6	10.18	Sept. 4	11.11	Feb. 7	10.64		

385310075331301. Local number Md22-1. Dept. of Highways and Transportation. Formerly State Highway Dept. Near Williamsburg. Bored observation water-table well in sand of Pleistocene age, diam 1 in (2.5 cm), depth 17 ft (5 m), well point 14-17 ft (4-5 m). Lsd about 58 ft (18 m) above ms1. MP top of casing, at lsd. Highest water level 1.57 ft (0.48 m) below lsd, Jan. 29, 1973; lowest 11.14 ft (3.40 m) below lsd, Jan. 6, 1966. Records available: 1958-74.

Jan. 12, 1973	2.66	May 7, 1973	3.56	Nov. 12, 1973	7.97	June 10, 1974	3.08
29	1.57	June 6	4.20	Dec. 26	4.10	July 16	6.38
Feb. 8	1.83	July 19	6.54	Jan. 7, 1974	3.16	Aug. 27	7.93
9	1.81	Aug. 13	7.30	Feb. 6	3.41	Oct. 5	8.70
Mar. 7	2.69	Sept. 6	6.62	Mar. 15	4.02	Nov. 8	9.36
Apr. 6	2.24	Oct. 19	7.69	Apr. 22	3.45	Dec. 26	5.75

New Castle County

393854075415401. Local number Db24-10. Dept. of Highways and Transportation. Formerly State Highway Dept. Near Ogletown. Bored observation water-table well in sand of Pleistocene age, diam 1 in (2.5 cm), depth 24 ft (7 m), well point 21-24 ft (6-7 m). Lsd about 77 ft (23 m) above ms1. MP top of casing, at lsd. Highest water level 4.88 ft (1.48 m) below lsd, May 12, 1958; lowest 17.43 ft (5.31 m) below lsd, Feb. 10, 1966. Records available: 1957-74.

Jan. 11, 1973	7.01	July 17, 1973	6.93	Jan. 8, 1974	10.62	July 16, 1974	10.20
Feb. 6	5.85	Aug. 7	8.10	Feb. 12	9.44	Aug. 19	11.42
Mar. 8	6.60	Sept. 6	9.64	Mar. 12	9.61	Oct. 7	12.66
Apr. 3	5.76	Oct. 8	11.05	Apr. 16	7.29	Dec. 5	13.55
May 8	5.77	Nov. 8	12.11	May 28	8.54	30	12.38
June 7	5.40	Dec. 11	12.86				

391949075410701. Local number Hb14-1. Dept. of Highways and Transportation. Formerly State Highway Dept. At Prices Corners. Bored observation water-table well in sand of Pleistocene age, diam 1 in (2.5 cm), depth 19 ft (6 m), well point 16-19 ft (5-6 m). Lsd about 72 ft (22 m) above ms1. MP top of casing, at lsd. Highest water level 1.49 ft (0.45 m) below lsd, Apr. 7, 1958; lowest 11.95 ft (3.64 m) below lsd, Aug. 31, 1966. Records available: 1957-74.

DELAWARE, SUSSEX COUNTY

13

391949075410701--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9, 1973	3.22	July 19, 1973	5.61	Jan. 10, 1974	7.22	July 18, 1974	6.53
Feb. 8	1.69	Aug. 9	6.39	Feb. 14	6.64	Aug. 21	7.49
Mar. 6	3.00	Sept. 4	7.25	Mar. 14	6.89	Oct. 7	7.35
Apr. 5	1.54	Oct. 11	8.06	Apr. 18	5.07	Dec. 4	7.74
May 7	3.72	Nov. 7	8.53	May 30	6.10	30	7.08
June 5	3.84	Dec. 13	8.72				

Sussex County

384930075370201. Local number Nc13-3. University of Delaware, College of Agricultural Sciences. Near Greenwood. Drilled observation artesian well in Piney Point aquifer, diam 6 in (15 cm), depth 630 ft (192 m), cased 0-620 ft (0-189 m), screened 620-630 ft (189-192 m). Lsd 62.5 ft (19.2 m) above msl. MP top of casing, 3.00 ft (0.91 m) above lsd. Highest water level 69.70 ft (21.24 m) below lsd, Jan. 1, 1971; lowest 73.91 ft (22.53 m) below lsd, Nov. 30, 1974. Records available: 1970-74.

Water level at noon, from recorder graph, 1970

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	e70.00
10
15
20
25
Eom	70.00

1971

5	69.90	.....	70.35	70.80	70.70	.....	71.23	71.50	71.62	71.70	71.85	72.08
10	70.01	.....	70.43	70.75	70.82	.....	71.29	71.45	71.58	71.40	71.70	71.79
15	70.02	70.22	70.30	70.75	.....	.....	71.27	71.52	71.55	71.70	71.82	71.79
20	70.17	70.14	70.25	70.65	.....	.....	71.36	71.56	71.65	71.93	71.63	71.80
25	70.15	70.29	70.68	70.71	.....	.....	71.41	71.67	71.77	71.56	71.73	72.03
Eom	70.10	70.31	70.61	70.67	.....	71.20	71.48	71.57	71.70	71.75	71.65	71.96

1972

5	71.82	72.17	71.97	72.27	72.32	72.32	72.37	72.59	72.70	72.93	72.85	72.80
10	71.83	72.22	72.25	72.27	72.32	72.35	72.50	72.69	72.90	73.10	72.75	72.66
15	72.05	71.83	72.08	72.15	72.15	72.43	72.39	72.70	72.80	.....	72.67	72.65
20	72.00	71.99	72.29	72.08	72.16	72.36	72.50	72.72	72.95	73.05	72.62	72.69
25	72.05	72.04	72.10	72.20	72.34	72.24	72.42	72.75	72.93	.....	72.70	72.75
Eom	72.07	72.00	72.13	72.41	72.24	72.15	72.58	72.86	72.65	.....	72.65	72.77

1973

5	72.73	72.86	72.94	72.66	72.83	72.91	72.81	72.95	72.89	72.88	72.92	72.85
10	72.87	72.85	72.96	72.60	72.77	72.90	72.92	72.90	72.90	72.95	73.06	72.88
15	72.76	72.65	72.73	73.06	72.87	72.99	72.96	72.82	72.82	72.82	72.83	72.93
20	72.69	72.87	72.82	72.99	72.75	72.96	73.03	72.87	72.92	72.91	73.10	72.79
25	72.86	73.05	72.83	72.85	72.76	72.92	73.10	72.90	73.08	72.97	72.75	72.86
Eom	73.00	73.00	72.94	72.95	72.85	72.88	73.10	72.92	72.98	72.79	72.97	72.86

1974

5	72.90	72.85	72.72	72.67	72.95	72.98	73.10	73.35	73.47	73.69	73.49	73.78
10	72.82	72.75	72.88	72.86	72.85	72.81	73.03	73.24	73.37	73.58	73.67	73.63
15	72.78	72.90	72.97	72.68	72.85	72.99	73.10	73.35	73.44	73.58	73.68	73.70
20	72.85	72.75	72.85	73.05	73.05	73.01	73.25	73.37	73.47	73.58	73.36	73.58
25	72.85	72.74	73.05	72.95	72.90	72.92	73.31	73.39	73.45	73.54	73.63	73.40
Eom	72.61	72.82	72.52	72.85	72.92	73.02	73.35	73.38	73.44	73.67	73.88	73.75

e Estimated.

h Tape measurement.

384639075353101. Local number Nc45-1. P. H. Cannon. Near Greenwood. Driven observation water-table well in sand of Pleistocene age, diam 1 in (2.5 cm), depth 15 ft (5 m), screened 14-15 ft (4-5 m). Lsd about 43 ft (13 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 6.67 ft (2.03 m) below lsd, Jan. 30, 1952; lowest 14.48 ft (4.41 m) below lsd, Nov. 18, 1974. Records available: 1950-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1973	11.31	July 19, 1973	13.96	Jan. 7, 1974	13.16	July 19, 1974	13.80
Feb. 9	11.40	Aug. 13	14.20	Feb. 6	12.87	Aug. 19	14.12
Mar. 13	12.63	Sept. 7	13.70	Mar. 15	13.17	Oct. 2	14.35
Apr. 3	12.89	Oct. 19	14.23	Apr. 22	12.72	Nov. 18	14.48
May 10	12.96	Nov. 12	14.30	June 10	13.21	Dec. 18	14.05
June 12	13.44	Dec. 18	14.17				

384955075192801. Local number Ng11-1. Dept. of Highways and Transportation. Formerly State Highway Dept. Near Jefferson Crossroads. Bored observation water-table well in sand of Pleistocene age, diam 1 in (2.5 cm), depth 19 ft (6 m), well point 16-19 ft (5-6 m). Lsd 24 ft (7 m) above ms1. MP top of casing, at lsd. Highest water level 9.03 ft (2.75 m) below lsd, Feb. 6, 1973; lowest 14.64 ft (4.46 m) below lsd, Jan. 7, 1966. Records available: 1959-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9, 1973	9.38	June 11, 1973	11.24	Dec. 19, 1973	13.04	July 17, 1974	11.91
29	9.92	July 17	11.96	Jan. 8, 1974	12.04	Aug. 20	12.51
Feb. 6	9.03	Aug. 8	12.37	Feb. 13	11.61	Oct. 3	13.02
Mar. 5	9.80	Sept. 4	12.18	Mar. 12	11.60	Nov. 14	13.48
Apr. 4	10.46	Oct. 16	12.81	Apr. 19	11.48	Dec. 26	13.48
May 8	10.65	Nov. 7	13.06	June 4	11.49		

383730075213501. Local number Pf24-2. Dept. of Highways and Transportation. Formerly State Highway Dept. Near Stockley. Drilled observation water-table well in sand of Pleistocene age, diam 4 in (10 cm), depth 49 ft (15 m), cased 0-48 ft (0-14 m), screened 46-49 ft (14-15 m). Lsd about 50 ft (15 m) above ms1. MP top of casing, 3.00 ft (0.91 m) above lsd. Highest water level 7.15 ft (2.18 m) below lsd, Dec. 25, 1972; lowest 11.46 ft (3.49 m) below lsd, Oct. 20, 1970. Records available: 1970-74.

Water level at noon, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	7.62	7.35	8.42	8.90	8.83	9.40	9.83	10.38	9.17	10.02	10.57	10.72
10	7.90	7.19	8.56	8.14	8.95	9.53	9.97	10.50	9.37	10.19	10.58	10.50
15	8.10	7.74	8.65	8.45	9.05	9.70	10.03	10.27	9.48	10.29	10.60	10.35
20	8.30	7.92	8.79	8.57	9.15	9.62	10.03	10.31	9.64	10.40	10.67	9.77
25	8.48	8.16	8.87	8.69	9.22	9.67	10.18	10.82	9.80	10.49	10.69	8.61
Eom	8.38	8.28	8.99	8.78	9.30	9.75	10.34	9.00	9.95	10.51	10.70	8.63

1974												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	8.04	8.77	....	8.48	8.86	9.25	10.00	10.96	10.27	e10.70	10.91	10.55
10	7.95	8.87	....	8.50	8.95	9.35	10.12	10.42	10.24	e10.80	10.95	10.27
15	8.01	8.93	9.20	8.53	9.01	9.55	10.32	10.40	10.34	e10.80	10.97	10.06
20	8.27	....	9.00	8.75	9.17	9.68	10.53	10.50	10.45	e10.80	10.96	9.51
25	8.45	....	8.92	8.82	9.30	9.78	10.70	10.27	10.55	e10.90	11.03	9.31
Eom	8.57	....	8.63	8.90	9.32	9.86	10.85	10.31	10.66	10.91	11.06	....

e Estimated.

383138075260201. Local number Qe44-1. Dept. of Highways and Transportation. Formerly State Highway Dept. Near Whaley's Crossroads. Bored observation water-table well in sand of Pleistocene age, diam 1 in (2.5 cm), depth 25 ft (8 m), well point 22-25 ft (7-8 m). Lsd about 50 ft (15 m) above ms1. MP top of casing, at lsd. Highest water level 4.92 ft (1.50 m) below lsd, Feb. 6, 1973; lowest 12.18 ft (3.71 m) below lsd, Oct. 6, 1962. Records available: 1959-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 9, 1973	5.70	July 17, 1973	8.94	Jan. 8, 1974	5.52	July 17, 1974	9.29
Feb. 6	4.92	Aug. 8	9.76	Feb. 13	6.22	Aug. 20	7.74
Mar. 5	6.02	Sept. 4	7.34	Mar. 12	6.99	Oct. 3	8.44
Apr. 4	5.69	Oct. 16	9.06	Apr. 23	6.55	Nov. 18	9.14
May 8	6.60	Nov. 7	9.30	June 4	5.91	Dec. 27	6.42
June 11	8.26	Dec. 19	6.55				

References

Johnston, R. H., 1973, Hydrology of the Columbia (Pleistocene) deposits of Delaware: An appraisal of a regional water-table aquifer: Delaware Geological Survey Bull. 14, 78 p.

INDIANA

The observation-well program in Indiana was continued during the period 1973 through 1974 in cooperation with the State of Indiana, Department of Natural Resources. Figure 4 shows the location of observation wells included in this report.

Well-Numbering System

Wells are numbered according to their latitude-longitude location, as explained on page 1. Local well numbers are also given.

The local well numbers are designated by abbreviations derived from county names and by serial numbers. For example, Ma 10 is observation well 10 in Marion County.

Well Descriptions and Water-Level Measurements

Water levels are reported in feet below land-surface datum, unless otherwise indicated.

Allen County

410847084570301. Local number Al 6. U.S. Geol. Survey. Drilled observation artesian well in sand and gravel, diam 6 in (15 cm), depth 84 ft (26 m), cased to 83 ft (25 m), screened. Lsd about 760 ft (232 m) above msl. MF top of casing, 2.50 ft (0.76 m) above lsd. Highest water level 8.20 ft (2.50 m) below lsd, May 1, 1970; lowest 14.52 ft (4.43 m) below lsd, Oct. 26, 1974. Records available: 1966-74.

Highest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	8.80	9.05	9.90	9.25	10.25	10.40	10.00	11.75	12.05	12.95	13.45	13.55
10	9.45	9.40	9.40	9.60	10.50	10.40	10.35	12.05	12.10	13.10	13.60	13.10
15	9.80	9.80	8.45	9.75	.....	10.55	10.70	12.15	13.10	13.45	13.50	13.15
20	10.15	10.15	8.25	9.55	.....	10.80	10.95	13.45	13.25	13.45	13.60	13.10
25	10.15	10.20	8.70	9.25	.....	10.80	11.25	13.40	13.50	13.50	13.50	13.05
Eom	9.85	10.35	9.20	9.80	.....	10.15	11.45	13.45	13.40	13.20	12.05	

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	11.90	9.40	8.80	9.25	10.90	10.85	11.35	12.75	13.90	14.15	14.15	14.20
10	11.85	9.90	8.70	9.55	10.55	10.90	11.60	13.05	13.95	14.20	14.15	14.10
15	11.90	10.30	9.15	9.80	9.45	11.00	11.90	13.25	13.95	14.20	14.15	13.75
20	11.00	10.15	9.35	10.35	9.40	11.20	12.15	13.45	14.00	14.20	14.15	13.35
25	8.95	9.25	9.80	10.65	9.85	10.85	12.25	13.65	14.00	14.30	14.20	13.15
Eom	8.70	9.50	10.05	10.75	10.30	11.05	12.60	13.80	14.10	14.30	14.20	12.68

Bartholomew County

391627086534401. Local number Ba 4. City of Columbus. North side of Bakalar Air Force Base by cemetery. Drilled observation artesian well in sand and gravel, diam 6 in (15 cm), depth 93 ft (28 m), cased to 90 ft (27 m), screened. Lsd about 656 ft (200 m) above msl. MF top of shelter floor at rear of recorder, 2.55 ft (0.78 m) above lsd. Highest water level 15.11 ft (4.61 m) below lsd, June 11, 1968; lowest 21.50 ft (6.55 m) below lsd, Dec. 15, 1971. Records available: 1965-74.

Highest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	18.19	18.03	18.04	16.42	15.62	16.08	16.32	15.99	16.63	17.49	18.25	18.67
10	18.10	18.02	18.05	16.29	15.48	16.09	16.38	15.99	16.77	17.62	18.36	18.67
15	18.05	18.01	17.94	16.23	15.53	16.12	16.45	16.10	16.91	17.75	18.45	18.72
20	18.03	18.04	17.56	16.18	15.59	16.19	16.58	16.22	17.06	17.86	18.56	18.75
25	18.05	18.05	17.02	16.09	15.73	16.25	16.30	16.35	17.21	17.98	18.64	18.79
Eom	18.06	18.05	16.57	15.90	15.92	16.29	16.04	16.50	17.34	18.12	18.72	18.80

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	18.70	17.26	16.98	16.86	16.50	16.45	16.53	.....	17.86	17.78	18.09	17.97
10	18.57	17.01	17.04	16.80	16.57	16.43	.....	17.87	17.79	18.13	17.97	
15	18.50	16.92	17.03	16.73	16.64	16.45	.....	17.82	17.85	18.05	17.92	
20	18.43	16.89	17.02	16.60	16.72	16.53	.....	17.71	17.92	17.98	17.85	
25	18.21	16.97	16.98	16.50	16.61	16.59	.....	17.71	17.87	17.95	17.75	
Eom	17.62	16.96	16.88	16.46	16.52	16.53	.....	17.86	17.78	18.05	17.95	17.60

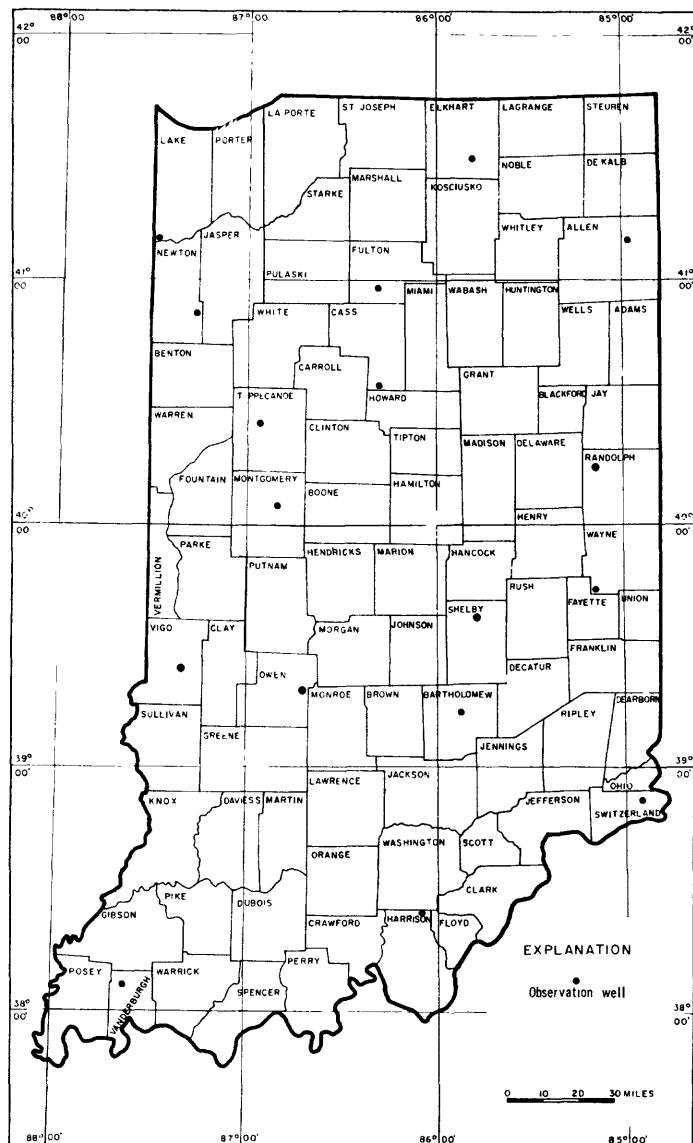


Figure 4.--Location of observation wells in Indiana, 1973-74.

Cass County

403407086175701. Local number Cs 3. U.S. Geol. Survey. Drilled observation artesian well in dolomitic limestone, diam 6 in (15 cm), depth 130 ft (40 m), cased to 78 ft (24 m). Lsd about 780 ft (238 m) above msl. MP top of shelter floor, 2.65 ft (0.81 m) above lsd. Highest water level 3.85 ft (1.17 m) below lsd, Feb. 2, 1968; lowest (revised), 7.17 ft (2.19 m) below lsd, Sept. 10, 1972. Records available: 1967-74.

Highest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	5.75	5.75	5.95	5.65	5.90	4.75	5.65	6.10	6.20	6.45	6.45	....
10	5.80	5.85	5.95	5.65	5.85	5.55	5.75	6.10	6.20	6.40	6.50	....
15	5.75	5.75	5.75	5.75	6.05	5.50	6.00	6.00	6.25	6.35	6.35	6.00
20	5.90	5.05	5.70	5.80	6.00	5.45	6.10	6.10	6.30	6.30	....	5.85
25	5.95	5.95	5.40	5.80	6.10	5.55	6.05	6.10	6.30	6.30	....	5.30
Eom	5.85	6.00	5.50	5.80	5.75	5.55	6.00	6.15	6.35	6.25	....	5.70

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	5.65	5.20	4.70	4.90	5.15	5.65	5.25	....	6.40	6.55	6.55	6.90
10	5.60	5.15	4.90	4.90	5.00	5.65	5.40	....	6.40	6.65	6.90	6.75
15	5.70	5.35	5.05	4.85	5.20	5.70	5.40	6.05	6.30	6.70	6.90	6.65
20	5.00	5.35	5.05	4.95	5.10	5.75	5.75	6.30	6.45	6.80	6.85	6.50
25	5.45	5.45	5.25	5.10	5.50	5.45	5.70	6.20	6.35	6.75	7.00	6.45
Eom	5.30	5.30	4.75	5.15	5.15	5.25	....	6.20	6.45	6.70	6.85	6.30

Elkhart County

413121085481301. Local number Eh 4. U.S. Geol. Survey. Goshen Municipal Airport. Drilled observation water-table well in sand and gravel, diam 6 in (15 cm), depth 62 ft (19 m), cased to 61 ft (19 m), screened. Lsd about 815 ft (248 m) above msl. MP top of shelter floor, 2.60 ft (0.79 m) above lsd. Highest water level 12.30 ft (3.75 m) below lsd, Apr. 16, 1973; lowest 16.18 ft (4.93 m) below lsd, Dec. 1-5, 1971. Records available: 1966-74.

Highest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	12.60	12.70	e12.90	12.45	12.40	12.65	e12.90	13.70	e14.25	14.50	e14.80	15.10
10	h12.43	12.75	e12.85	12.35	12.50	12.60	e12.95	13.90	e14.30	14.55	e14.85	15.10
15	12.45	12.80	e12.80	12.35	e12.50	12.65	13.05	13.95	e14.35	14.60	e14.95	15.15
20	12.55	12.85	e12.75	12.35	e12.55	e12.70	13.30	e14.10	e14.40	14.65	e15.00	15.20
25	12.60	12.95	e12.75	12.40	e12.60	12.75	13.35	e14.15	e14.45	14.70	e15.05	15.25
Eom	12.65	h12.94	12.60	12.40	e12.60	e12.85	13.55	e14.20	14.45	....	15.10	15.00

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	14.95	14.00	13.75	13.05	13.25	13.20	13.45	14.60	15.15	15.30	15.50	15.60
10	14.85	13.95	13.60	13.10	13.25	13.15	13.55	14.70	15.15	15.30	15.50	15.60
15	14.85	13.95	13.10	13.10	13.25	13.20	13.80	14.80	15.15	15.35	15.50	15.65
20	14.60	13.95	12.95	13.20	13.25	13.25	14.00	14.90	15.15	15.40	h15.55	15.65
25	14.30	13.90	12.95	13.20	13.25	13.30	14.15	15.05	h15.25	15.45	15.55	15.65
Eom	14.10	13.80	12.95	13.20	13.20	13.35	14.14	15.15	15.25	15.45	15.55	15.65

e Estimated.

h Tape measurement.

Fulton County

405829086175801. Local number Fu 7. U.S. Geol. Survey. Drilled observation artesian well in medium-grained sand and gravel, diam 6 in (15 cm), depth 102 ft (31 m), cased to 100 ft (30 m), screened 100-102 ft (30-31 m). Lsd about 780 ft (238 m) above msl. MP top of shelter floor, 2.50 ft (0.76 m) above lsd. Highest water level 6.35 ft (1.98 m) below lsd, Apr. 23-27, 1973; lowest 11.70 ft (3.57 m) below lsd, Oct. 21, 25, 31, Nov. 3, 1974. Records available: 1967-74.

Highest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	7.55	7.20	7.95	6.60	7.05	8.30	8.75	9.65	10.10	10.65	10.85	10.35
10	7.30	7.20	7.15	6.85	7.35	8.25	8.95	9.80	10.25	10.70	10.90	10.35
15	7.15	7.45	7.00	6.85	7.70	8.40	9.15	9.65	10.30	10.70	10.85	10.30
20	7.20	7.60	6.85	6.85	7.85	8.20	9.35	9.60	10.45	10.75	10.95	10.25
25	7.20	7.80	6.60	6.35	8.05	8.35	9.50	9.75	10.55	10.80	10.90	10.15
Eom	7.25	7.90	6.65	6.70	8.25	8.50	9.55	9.95	10.60	10.75	h10.67	8.95

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	8.90	7.55	7.45	7.30	8.00	7.70	8.75	9.95	11.05	11.55	11.63	11.47
10	8.95	7.85	7.25	7.15	8.00	7.75	8.95	10.15	11.15	11.55	11.60	11.35
15	9.10	8.10	7.25	7.20	7.55	8.00	9.15	10.35	11.20	11.55	11.54	11.20
20	8.60	8.10	7.30	7.55	7.00	8.25	9.35	10.50	11.30	11.60	11.45	11.10
25	7.70	7.75	7.60	7.85	6.90	8.40	9.55	10.70	11.40	11.70	11.45	10.90
Eom	7.30	7.75	7.60	7.95	7.25	8.50	9.80	10.85	11.45	11.70	11.45	10.51

h Tape measurement.

Harrison County

382323086044501. Local number Hr 8. U.S. Geol. Survey. Drilled observation artesian well in limestone, diam 6 in (15 cm), depth 93 ft (28 m), cased to 57 ft (17 m), open end. Lsd about 824 ft (251 m) above msl. MP top of recorder shelter floor at front of recorder, 3.08 ft (0.94 m) above lsd. Highest water level (revised), 1.30 ft (0.40 m) below lsd, Apr. 22, 1972; lowest 19.71 ft (6.01 m) below lsd, Nov. 5, 1966. Records available: 1966-74.

Highest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	4.00	4.85	h3.16	4.35	6.95	8.90	5.40	10.55	13.45	15.65	12.40	
10	e4.90	4.80	3.35	2.45	4.95	7.15	8.55	6.45	11.10	13.80	16.00	12.05
15	5.55	4.35	3.30	3.65	5.65	8.05	8.00	7.35	11.55	14.20	16.25	12.10
20	6.15	....	3.45	1.75	6.40	8.85	8.80	8.30	12.05	14.55	16.60	11.80
25	4.50	....	2.80	2.00	7.25	9.60	4.65	9.10	12.55	14.90	15.90	10.70
Eom	4.25	h6.52	2.60	3.55	7.00	8.85	4.95	10.00	13.00	15.30	13.15	8.10

1974

5	8.00	4.25	4.85	3.55	8.00	10.20	10.90	13.80	15.50	15.40	14.80	11.90
10	6.00	4.90	4.15	3.40	8.18	8.85	11.45	14.15	15.70	15.65	13.95	10.10
15	4.10	5.60	2.80	3.45	9.30	8.90	11.90	14.40	15.25	15.85	13.60	9.30
20	2.45	5.70	3.65	5.60	10.05	9.55	12.40	14.15	15.30	15.80	13.50	8.30
25	2.85	3.81	4.10	6.50	10.60	9.80	12.90	14.90	15.60	16.00	13.40	7.75
Eom	3.10	4.15	4.50	7.25	10.18	10.35	13.40	15.20	15.50	16.30	13.05	6.30

e Estimated.

h Tape measurement.

Lake County

411038087284701. Local number Lk 12. U.S. Geol. Survey. Kankakee River State Park. Drilled observation artesian well in dolomite, diam 6 in (15 cm), depth 82 ft (25 m), cased to 54 ft (16 m), open end. Lsd about 630 ft (192 m) above msl. MP top of casing, 2.50 ft (0.76 m) above lsd. Highest water level 0.15 ft (0.05 m) below lsd, Jan. 12, 1973; lowest 14.35 ft (4.37 m) below lsd, Sept. 9, 1974. Records available: 1967-74.

Highest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	0.45	1.00	0.50	0.75	1.05	1.40	1.65	.....	.....	.....	e2.65	2.45
10	0.40	e.75	.90	.55	.90	1.05	1.60	1.80	.....	.....	e2.65	2.40
15	.55	e.85	.75	.70	1.20	1.25	1.75	1.90	.....	.....	2.55	2.35
20	.40	e.90	.80	.75	1.25	1.10	1.95	2.00	.....	.....	2.60	2.30
25	.40	1.00	.80	.49	1.30	1.15	1.95	2.15	.....	2.70	2.60	2.15
Eom	.40	1.05	.65	.55	1.10	1.30	1.65	2.30	.....	2.65	2.60	1.90

1974

5	1.95	1.20	1.25	0.90	1.30	0.80	1.60	10.40	13.55	7.75	6.10	4.30
10	1.95	1.30	1.15	.90	1.20	.90	.....	11.35	11.25	.....	5.30	4.10
15	1.90	1.95	.85	.80	1.15	1.05	.....	12.10	.....	.....	5.05	3.90
20	1.65	1.50	h.81	1.00	.50	1.25	.....	12.75	.....	.....	4.80	3.75
25	1.35	1.40	1.00	1.30	.35	h1.22	.....	.....	9.80	.....	4.70	3.65
Eom	1.10	1.30	.95	1.25	.45	1.35	h9.21	13.85	8.75	.....	4.55	3.45

e Estimated.

h Tape measurement.

Montgomery County

400247086482101. Local number My 7. U.S. Geol. Survey. Drilled observation artesian well in sand and gravel of Pleistocene age, diam 6 in (15 cm), depth 111 ft (34 m), screened 107-109 ft (32.6-33.2 m). Lsd 804 ft (245 m) above msl. MP top of recorder platform, 2.38 ft (0.73 m) above lsd. Highest water level 26.10 ft (7.96 m) below lsd, Apr. 13, 1974; lowest 31.79 ft (9.69 m) below lsd, Nov. 28, 1967. Records available: 1967-74.

Highest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	27.55	27.55	28.05	26.60	27.30	28.40	28.55	29.15	29.70	30.00	30.25	29.55
10	27.40	27.60	28.10	26.60	27.30	.....	28.70	29.20	29.75	30.05	30.40	29.45
15	27.35	27.50	27.80	26.90	27.65	.....	28.90	29.20	29.70	30.05	30.15	29.45
20	27.45	27.70	27.45	27.00	27.75	.....	29.05	29.30	29.80	30.15	30.30	29.40
25	27.50	27.85	26.95	27.00	27.95	.....	29.00	29.40	29.85	30.10	30.10	29.30
Eom	27.60	27.95	26.80	27.10	28.30	28.55	.....	29.55	30.00	30.00	29.95	28.95

1974

5	28.65	26.60	.....	26.70	26.80	.....	26.70	28.80	29.75	30.00	30.20	30.40
10	28.35	26.50	.....	26.35	27.00	.....	28.85	29.70	30.05	30.20	30.25	
15	28.35	26.75	.....	26.20	27.15	26.20	28.95	29.70	30.10	30.30	30.00	
20	28.00	26.75	.....	26.35	26.95	26.40	27.60	29.10	29.80	30.35	30.20	29.95
25	27.55	26.65	.....	26.50	26.45	26.40	27.85	29.60	29.80	30.30	30.35	29.95
Eom	26.85	26.65	.....	26.65	26.20	26.40	28.80	29.80	29.90	30.30	30.25	29.80

Newton County

405105087173301. Local number Ne 6. U.S. Geol. Survey. Drilled observation artesian well in sand and gravel of Pleistocene age, diam 6 in (15 cm), depth 80 ft (24 m), screened 76-78 ft (23-24 m). Lsd 654 ft (199 m) above msl. MP top of recorder platform, 2.25 ft (0.69 m) above lsd. Highest water level 8.42 ft (2.57 m) below lsd, Apr. 24, 1973; lowest 15.70 ft (4.79 m) below lsd, Oct. 31, 1974. Records available: 1967-74.

Highest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	8.78	9.99	10.71	8.67	9.74	.....	11.40	.....	13.29	.....	14.41	14.22
10	9.30	10.00	10.12	9.03	10.15	10.35	11.72	.....	13.55	.....	14.46	14.17
15	9.89	10.20	9.45	9.44	10.73	10.64	12.19	hi2.48	13.69	.....	14.33	14.18
20	10.25	10.54	9.34	9.57	10.94	10.49	12.57	12.58	13.82	.....	14.42	14.06
25	10.25	10.74	9.49	8.43	11.19	10.73	12.43	12.78	13.97	.....	14.37	13.87
Em	10.16	10.87	9.09	9.01	11.25	11.07	12.41	13.03	14.06	14.24	14.42	12.92

1974

5	12.53	.....	9.21	9.43	11.33	10.43	11.38	13.26	14.47	15.35	15.60	15.19
10	12.41	.....	9.09	9.52	11.28	10.66	11.83	13.48	14.66	15.46	15.48	15.04
15	12.38	10.75	9.25	9.84	10.77	.....	12.14	13.66	14.80	15.51	15.45	14.86
20	hi12.13	10.70	9.29	10.30	10.03	.....	12.57	13.81	14.91	15.58	15.30	14.69
25	.....	10.66	9.88	10.71	9.32	.....	12.72	14.10	15.10	15.65	15.30	14.53
Em	10.64	9.51	11.10	9.67	10.90	12.95	14.28	15.24	15.70	15.21	14.04	

h Tape measurement.

Owen County

391731086421401. Local number Ow 1. U.S. Geol. Survey. Drilled observation artesian well in Mississippian limestone, diam 6 in (15 cm), depth 150 ft (46 m), cased 0-15 ft (0-5 m). Lsd 806.68 ft (245.88 m) above msl. MP top of recorder shelf, 2.38 ft (0.73 m) above lsd. Highest water level 98.77 ft (30.11 m) below lsd, May 24, 1968; lowest 121.25 ft (36.96 m) below lsd, June 6, 1973. Records available: 1967-74.

Highest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	114.00	115.10	114.80	115.00	120.25	116.40	115.55	115.60	115.75	115.80	.....	.....
10	115.25	115.30	111.75	115.10	120.10	115.90	115.50	115.60	115.75	115.80	.....	.....
15	115.40	115.25	113.80	115.20	120.35	115.70	115.65	115.20	115.75	115.80	.....	.....
20	115.45	hi115.40	112.15	112.00	120.45	115.75	115.65	115.60	115.80	115.80	.....	.....
25	115.20	115.45	109.30	115.45	120.50	115.60	115.40	115.65	115.80	115.85	.....	.....
Em	115.25	115.50	111.95	119.95	120.55	115.65	115.55	115.70	115.80	.....	.....	.....

1974

5	.....	.....	e112.75	115.30	115.50	114.70	.....	114.10	114.50	.....	116.25	116.10
10	.....	.....	e113.70	113.30	115.40	115.15	.....	114.10	114.10	.....	116.00	116.40
15	.....	115.70	.....	115.25	.....	115.40	.....	114.10	114.20	.....	116.10	116.20
20	.....	115.35	115.40	115.45	114.30	115.55	.....	114.00	114.40	.....	116.00	115.46
25	.....	115.45	115.30	115.50	115.05	114.90	.....	114.05	114.15	115.80	116.25	115.37
Em	.....	115.20	115.20	115.50	105.90	115.45	.....	114.10	.....	115.80	116.05	e113.13

e Estimated.

h Tape measurement.

Randolph County

401532085085301. Local number Ra 3. U.S. Geol. Survey. Drilled observation artesian well in sandy limestone, diam 6 in (15 cm), depth 54 ft (16 m), cased to 33 ft (10 m). Lsd about 970 ft (296 m) above msl. MP top of shelter floor, 3.86 ft (1.18 m) above lsd. Highest water level 7.98 ft (2.43 m) below lsd, May 27, 1968; lowest 14.43 ft (4.40 m) below lsd, Oct. 4, 5, 1967. Records available: 1966-74.

Highest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	e8.80	9.65	8.65	10.55	11.95	11.55	12.25	11.85	10.10
10	8.85	9.30	9.05	10.85	12.10	11.85	12.10	12.00	10.45
15	9.00	9.85	9.60	11.10	11.45	12.00	11.95	11.70	10.45
20	9.00	9.60	10.05	.....	10.65	12.15	12.00	11.90	10.40
25	8.50	9.75	10.45	11.45	10.75	12.35	12.10	11.20	9.40
Em	9.30	10.10	10.20	11.65	11.20	12.50	.....	10.50	9.35

1974

5	9.80	9.60	8.95	8.55	10.30	10.50	10.20	12.25	11.45	12.00	12.15	11.70
10	10.00	9.60	9.25	8.75	10.45	10.60	10.60	e12.55	11.60	12.10	11.80	10.50
15	10.10	9.60	9.40	9.05	10.35	10.80	10.95	12.75	11.15	12.20	11.65	9.50
20	8.70	9.40	9.30	9.70	9.70	11.00	11.40	12.85	11.35	12.25	11.30	9.85
25	9.00	9.35	9.70	10.05	9.90	9.70	11.60	13.00	11.50	12.25	11.60	9.30
Em	8.85	9.15	8.45	10.20	10.10	9.95	12.00	11.90	11.80	12.35	11.45	9.25

e Estimated.

Shelby County

393943085490901. Local number Sh 2. U.S. Geol. Survey. Drilled observation artesian well in limestone, diam 6 in (15 cm), depth 150 ft (46 m), cased to 131 ft (40 m), open end. Lsd about 818 ft (249 m) above msl. MP top of collar welded on casing at round hole drilled in recorder shelter floor, 3.00 ft (0.91 m) above lsd. Highest water level 15.90 ft (4.85 m) below lsd, May 27, 1968; lowest 22.20 ft (6.77 m) below lsd, Nov. 30, 1967. Records available: 1966-74.

Highest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	17.15	17.10	18.15	16.70	17.55	17.70	.....	18.40	.....	20.35	20.75	18.95
10	17.60	17.40	17.30	17.00	17.80	17.40	.....	18.65	.....	20.45	20.90	19.20
15	18.00	17.50	16.55	17.45	18.20	17.90	.....	18.70	.....	20.45	20.75	19.45
20	18.35	17.50	16.40	16.55	18.30	17.50	.....	18.95	.....	20.55	20.85	19.45
25	17.75	17.90	16.85	16.00	18.55	17.95	.....	19.25	.....	20.65	20.10	18.95
Eom	17.50	18.10	16.45	16.95	18.85	.....	17.75	.....	20.35	20.60	19.05	17.60

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	18.05	17.50	17.45	16.90	18.45	18.05	18.25	19.85	19.20	19.61	.....	18.37
10	18.35	17.65	17.60	16.45	18.65	18.15	18.65	20.00	19.55	19.77	.....	.....
15	18.40	18.10	17.45	16.90	18.50	17.90	18.40	20.05	19.76	19.92	.....	.....
20	16.70	18.00	17.50	17.60	16.95	18.20	19.15	20.20	19.95	20.03	.....	.....
25	16.70	17.60	17.85	18.05	17.30	17.25	19.40	20.35	20.00	20.08	18.36	.....
Eom	16.80	17.55	17.20	18.25	17.75	17.65	19.70	19.75	19.75	20.20	18.37	18.40

Switzerland County

385113084541501. Local number Sw 1. Walker Estate. Dug observation water-table well in sandy clay, diam 4 ft (1 m), depth 24 ft (7 m), cribbed with brick to 24 ft (7 m). Lsd about 870 ft (265 m) above msl. MP counter-weight hole in instrument shelf, 3.50 ft (1.07 m) above lsd. Highest water level 1.47 ft (0.45 m) below lsd, Feb. 22, 1971; lowest 21.90 ft (6.68 m) below lsd, Dec. 2, 15, 1944. Records available: 1944-74. Measurement discontinued July 1974.

Highest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	5.90	6.45	10.10	3.95	8.80	12.65	6.85	12.35	15.95	13.40	16.75	7.75
10	8.95	9.20	5.90	.....	11.30	12.00	9.65	14.35	15.92	13.85	17.00	10.95
15	12.00	7.95	6.70	.....	13.15	13.70	12.70	13.50	16.10	14.70	17.20	13.00
20	13.80	8.90	3.80	.....	14.25	13.25	14.60	13.10	16.50	15.70	17.10	12.15
25	10.85	11.70	4.95	h3.35	15.10	11.30	5.60	13.45	16.80	16.25	11.40	10.20
Eom	9.30	12.95	4.15	4.65	12.40	7.20	8.30	15.15	17.10	16.60	3.65	7.10

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	10.15	9.35	10.30	3.65	13.20	10.15	.....	.....	.....	.....	.....	.....
10	9.90	11.55	8.10	3.50	13.80	13.05	.....	.....	.....	.....	.....	.....
15	8.15	13.15	4.15	7.55	14.75	14.80	.....	.....	.....	.....	.....	.....
20	7.10	13.65	5.25	11.60	.....	15.85	.....	.....	.....	.....	.....	.....
25	5.50	10.30	8.70	13.25	.....	15.35	.....	.....	.....	.....	.....	.....
Eom	5.35	10.95	9.85	14.65	12.65	15.90	.....	.....	.....	.....	.....	.....

h Tape measurement.

Tippecanoe County

402600086552801. Local number Tc 7. Purdue University, State of Indiana. Drilled unused artesian well in sand and gravel of Pleistocene age, diam 8 in (20 cm), depth 207 ft (63 m), cased, screen setting unknown. Lsd about 679 ft (207 m) above msl. MP chiseled "x" on lip of manhole, 0.35 ft (0.11 m) above lsd. Highest water level 159.57 ft (48.64 m) below lsd, May 5, 14, 1950; lowest 173.6 ft (52.9 m) below lsd, Sept. 23, 24, Oct. 11, 1971. Records available: 1945-74. Measurement discontinued July 1974.

Highest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	169.8	169.7	169.5	169.5	169.7	168.8	.....	169.3	169.7	170.3	170.1	169.2
10	169.8	169.8	169.2	169.3	169.3	168.8	169.0	169.2	169.7	170.3	169.9	169.3
15	169.7	169.6	169.4	169.3	169.3	168.9	169.1	169.3	169.9	170.3	169.5	169.3
20	169.9	169.6	169.6	169.6	169.2	169.0	169.2	169.3	169.9	170.2	169.4	169.1
25	169.9	169.6	169.2	169.6	168.9	168.8	169.1	169.3	169.9	170.2	169.2	168.6
Eom	169.8	169.6	169.2	169.6	169.0	168.9	h169.1	169.5	170.1	169.9	169.5	168.5

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	168.2	167.9	167.3	167.2	166.8	166.0	.....	.....	.....	.....	.....	.....
10	168.3	167.7	167.5	167.2	166.8	166.0	.....	.....	.....	.....	.....	.....
15	168.1	167.6	167.1	167.1	166.4	166.0	.....	.....	.....	.....	.....	.....
20	.....	167.7	167.1	167.0	166.4	166.0	.....	.....	.....	.....	.....	.....
25	.....	167.7	167.2	167.0	166.5	166.2	.....	.....	.....	.....	.....	.....
Eom	168.0	167.4	167.1	167.0	.....	166.1	.....	.....	.....	.....	.....	.....

h Tape measurement.

Vanderburgh County

380608087395901. Local number Va 6. U.S. Geol. Survey. Drilled observation artesian well in the Patoka Formation (of local usage) of Late Pennsylvanian age, diam 6 in (15 cm), depth 125 ft (38 m), cased to 80 ft (24 m). Lsd 446.58 ft (136.12 m) above msl. MP top of platform, 3.47 ft (1.06 m) above lsd. Highest water level 24.88 ft (7.58 m) below lsd, Apr. 3, 4, 1968; lowest 30.55 ft (9.31 m) below lsd, Oct. 21, 22, 1974. Records available: 1965-74.

Highest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	28.25	27.75	.....	27.15	.....	27.25	27.65	28.50	29.15	29.60	29.85	29.65
10	28.30	28.10	.....	27.00	.....	27.40	27.90	28.45	29.25	29.60	30.05	29.70
15	28.10	.....	27.50	27.25	.....	27.35	28.00	28.50	29.25	29.70	29.85	29.70
20	28.05	.....	27.35	27.00	e27.05	27.50	28.05	28.70	29.60	29.70	29.95	29.65
25	28.05	.....	27.10	27.00	27.10	27.55	28.10	28.75	29.75	29.65	29.55	29.55
Eom	27.85	.....	27.00	27.05	27.20	27.50	28.25	29.00	29.65	29.45	29.85	29.45

1974

5	29.55	29.00	28.65	28.60	28.90	29.05	29.25	30.05	30.20	30.35	30.25	29.90
10	29.30	28.90	28.65	28.70	28.75	28.90	29.45	30.05	30.20	30.40	30.35	29.80
15	29.30	28.85	28.45	28.80	28.90	28.80	29.55	30.05	30.20	30.40	30.25	29.55
20	29.10	28.75	28.45	28.85	28.95	29.00	29.70	30.15	30.25	30.40	30.10	29.55
25	29.25	28.85	28.50	28.90	29.00	28.90	29.90	30.35	30.25	30.45	30.10	29.55
Eom	29.00	28.65	28.20	29.00	28.80	29.00	30.10	30.05	30.20	30.45	29.85	29.65

e Estimated.

Vigo County

392818087243301. Local number Vi 7. Indiana State University. Terre Haute. Drilled observation water-table well in sand and gravel, diam 6 in (15 cm), depth 70 ft (21 m), cased to 70 ft (21 m), screened. Lsd about 502 ft (153 m) above msl. MP top of recorder platform, 3.00 ft (0.91 m) above lsd. Highest water level 41.80 ft (12.74 m) below lsd, June 7, 1974; lowest (revised), 51.90 ft (15.82 m) below lsd, Sept. 29, 30, Oct. 1, 1972. Records available: 1970-74.

Highest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	48.05	47.65	48.15	46.75	45.70	e46.65	46.25	46.60	e47.00	h47.73	e48.00	e47.60
10	47.60	47.60	48.30	46.35	45.60	e46.65	46.30	46.60	e47.15	e47.85	e47.95	e47.55
15	47.40	47.60	48.30	46.25	45.80	b46.69	e46.45	46.70	e47.25	e47.85	e47.90	e47.50
20	47.45	47.80	48.10	46.25	45.90	46.55	n46.72	46.75	e47.35	e47.90	e47.80	e47.20
25	47.50	47.90	47.60	46.15	46.20	46.30	46.60	46.65	e47.50	e47.95	e47.75	e46.90
Eom	47.60	h48.02	47.10	45.85	.....	46.25	46.55	46.90	e47.60	e47.95	e47.70	e46.65

1974

5	46.30	43.75	43.50	.....	43.15	41.85	42.10	43.70	44.85	45.30	45.85	46.10
10	46.10	43.95	43.50	43.00	43.35	41.90	42.35	43.90	44.95	45.35	45.80	46.20
15	45.75	43.85	43.30	42.80	43.55	42.00	42.65	44.15	44.90	45.50	45.50	46.25
20	45.50	43.80	43.15	42.65	43.55	42.25	42.90	44.35	45.15	45.55	45.75	46.30
25	45.25	43.85	.....	42.70	42.90	42.40	43.15	44.50	45.20	45.50	45.85	46.25
Eom	45.00	43.65	43.15	42.85	42.25	42.15	43.50	44.75	45.30	45.75	45.95	46.25

e Estimated.

h Tape measurement.

Wayne County

394426085080601. Local number We 6. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel, diam 6 in (15 cm), depth 49 ft (15 m), cased to 47 ft (14 m), screened. Lsd about 888 ft (271 m) above msl. MP top of collar, 3.25 ft (0.99 m) above lsd. Highest water level 10.85 ft (3.31 m) below lsd, May 16-18, 1967, May 31, 1968, Mar. 28-31, Apr. 1, 1973; lowest 20.74 ft (6.32 m) below lsd, Nov. 7, 8, 1966. Records available: 1966-74.

Highest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	13.40	13.65	14.05	11.15	11.90	13.40	13.50	12.75	14.35	15.90	17.10	16.95
10	13.50	13.60	13.40	11.40	12.20	13.00	13.65	13.05	14.60	16.15	17.20	16.85
15	13.60	13.65	11.40	11.70	12.55	13.15	13.85	13.25	14.85	16.30	17.35	16.85
20	13.80	13.70	10.95	11.70	12.85	13.35	14.05	13.50	15.15	16.50	17.45	16.90
25	13.80	13.85	11.25	11.40	13.10	13.50	12.75	13.80	15.40	16.70	17.45	17.00
Eom	13.80	13.95	10.85	11.55	13.40	13.35	12.45	14.10	15.65	16.95	17.10	16.55

1974

5	16.35	13.60	14.40	14.35	13.95	14.45	14.00	15.60	16.05	15.80	16.45	16.85
10	16.20	13.80	14.40	13.70	14.15	14.15	14.20	15.65	16.05	15.80	16.50	16.70
15	16.20	14.00	14.40	13.05	14.35	14.85	14.45	15.70	16.05	15.90	16.55	16.45
20	15.60	14.25	14.50	13.15	14.15	15.10	14.70	15.75	16.10	16.05	16.60	16.25
25	14.55	14.30	14.60	13.40	14.10	13.95	15.00	15.85	16.20	16.15	16.70	16.10
Eom	13.60	14.35	14.60	13.65	14.25	13.85	15.35	16.00	16.00	16.35	16.80	15.90

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MAINE

The observation-well program in Maine was continued during the period 1973 through 1974 in cooperation with the Maine Public Utilities Commission. Figure 5 shows the location of observation wells included in this report.

Well-Numbering System

Wells are numbered according to their latitude-longitude location, as explained on page 1. Local well numbers are also given.

The local number, which was used in previous reports, consists of an abbreviation of the county name and a serial number assigned within each county.

Well Descriptions and Water-Level Measurements

Water levels are reported in feet below land-surface datum, unless otherwise indicated.

Androscoggin County

440227070124101. Local number An 1. Ernest L. Libby. Auburn. Dug unused water-table well in marine deposits, diam 4 ft (1 m), depth 15 ft (5 m), cased with rock to 15 ft (5 m). Lsd about 220 ft (67 m) above ms1. MP top of granite well curb, at lsd. Highest water level 3.30 ft (1.01 m) below lsd, June 16, 1960; lowest 10.23 ft (3.12 m) below lsd, Nov. 16, 1965. Records available: 1959-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1973	4.31	July 28, 1973	4.33	Feb. 26, 1974	4.28	Aug. 16, 1974	4.57
Feb. 15	4.38	Aug. 15	4.14	Mar. 16	4.31	Aug. 28	4.82
28	4.28	29	4.29	29	4.31	Sept. 15	4.76
Mar. 28	4.35	Sept. 28	4.78	Apr. 16	4.31	28	4.63
Apr. 15	4.30	Oct. 15	4.93	28	4.30	Oct. 15	4.15
28	4.42	Nov. 27	4.28	May 15	4.25	28	4.18
May 15	4.43	Dec. 15	4.21	28	3.94	Nov. 15	4.08
28	4.41	28	4.20	June 15	3.78	25	4.14
June 15	4.50	Jan. 15, 1974	4.15	28	3.96	Dec. 16	3.99
28	4.22	28	4.31	July 15	3.88	29	4.10
July 15	4.20	Feb. 15	4.30	29	3.92		

Aroostook County

464619068280401. Local number Ar 1. H. L. Stevens. Portage Lake. Driven unused water-table well in sand, diam 1½ in (3.8 cm), depth 8 ft (2 m), screened 8-11 ft (2-3 m). Lsd about 930 ft (283 m) above ms1. MP top of pipe, 2.00 ft (0.61 m) above lsd. Highest water level flowing, Dec. 21, 1957; lowest dry, many times, 1947-48, 1950, 1952-53, 1955, 1957, 1960, 1964-65, 1967-68, 1970-71, 1973-74. Records available: 1942-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15, 1973	7.00	July 13, 1973	2.88	Jan. 25, 1974	5.15	July 13, 1974	4.77
29	1.80	27	4.33	Feb. 13	5.50	30	6.27
Feb. 13	2.50	Aug. 14	6.25	26	6.20	Aug. 16	5.80
26	4.61	30	(f)	Mar. 14	3.80	28	7.24
Mar. 14	1.90	Sept. 13	(f)	26	3.00	Sept. 14	(f)
30	2.09	30	(f)	Apr. 12	2.80	29	7.20
Apr. 12	2.40	Oct. 12	(f)	26	1.20	Oct. 12	5.25
27	1.57	30	(f)	May 15	1.60	26	(f)
May 14	1.90	Nov. 13	(f)	29	2.37	Nov. 13	(f)
22	.81	27	(f)	June 4	4.24	30	(f)
28	1.34	Dec. 14	2.50	14	4.84	Dec. 13	1.20
June 15	4.92	Jan. 2, 1974	2.42	29	3.90	27	2.55
28	6.42	11	2.50				

f Dry.

460657067512201. Local number Ar 3. J. Edward Goodin. Houlton. Drilled unused artesian well in bedrock, diam 6 in (15 cm), depth 90 ft (27 m), cased with steel. Lsd about 370 ft (113 m) above ms1. MP hole in top of pumpbase, at lsd. Highest water level 10.72 ft (3.27 m) below lsd, Mar. 31, 1973; lowest 25.91 ft (7.90 m) below lsd, Oct. 15, 1960. Records available: 1958-74.

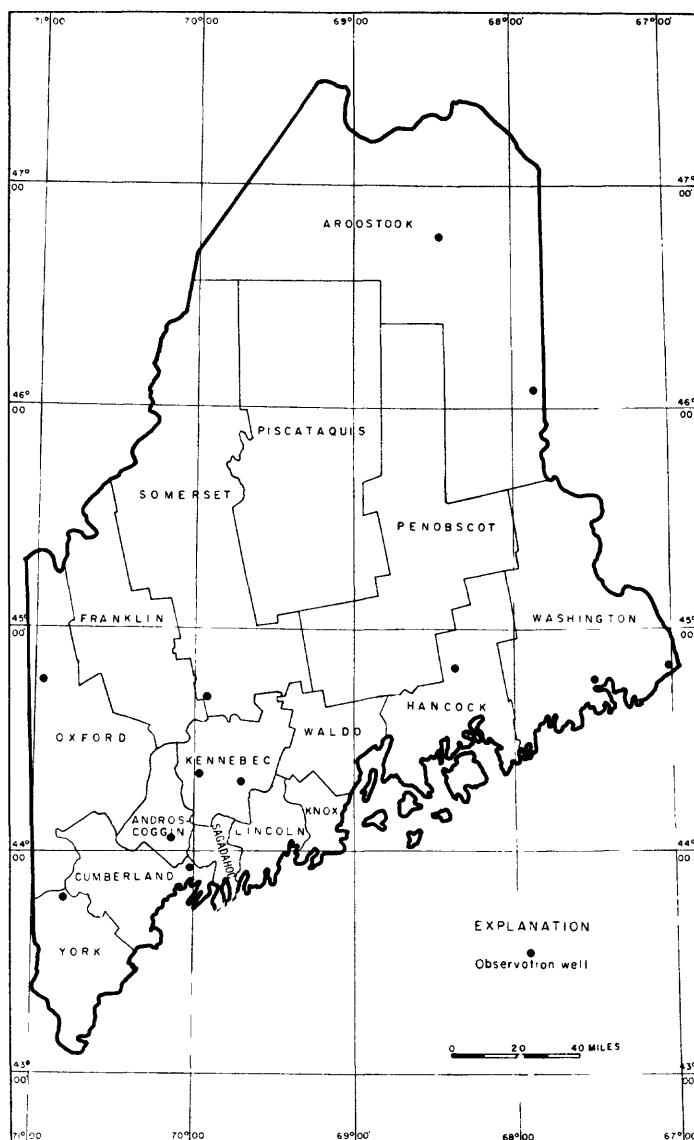


Figure 5.--Location of observation wells in Maine, 1973-74.

#60657067512201--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 31, 1973	10.72	July 12, 1973	13.49	Oct. 12, 1973	11.17	Oct. 26, 1974	16.93
Apr. 15	12.04	21	14.13	27	16.82	Nov. 15	16.87
May 17	12.74	27	14.57	Mar. 24, 1974	14.96	Dec. 1	17.13
22	12.48	Aug. 17	15.52	May 23	13.29	15	13.04
28	12.53	28	16.01	Oct. 16	16.94	26	14.05
June 30	13.42	Sept. 30	e17.10				

e Estimated.

Cumberland County

#35453070013601. Local number C 26. Brunswick and Topsham Water District. Brunswick. Drilled unused artesian well in stratified glacial drift, diam 12 in (30 cm), depth 101 ft (31 m), screened 81-101 ft (25-31 m). Lsd at 139 ft (42 m) above msl. MP base of water-level recorder, at lsd. Highest water level 27.79 ft (8.47 m) below lsd, July 10, 1974; lowest 36.41 ft (11.10 m) below lsd, Feb. 10, 1966. Records available: 1958-74.

Mean water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	31.50	.....	31.24	30.40	29.89	.....	28.88	28.63	28.93	29.13	29.51	29.68
10	31.58	.....	31.13	30.22	29.84	.....	28.73	28.62	28.93	29.36	29.60	29.65
15	31.58	.....	30.94	30.10	29.76	29.22	29.63	28.72	28.99	29.31	29.54	29.44
20	31.56	.....	30.81	30.18	29.68	29.18	28.61	28.74	29.08	29.43	29.71	29.12
25	31.47	.....	30.72	30.13	29.49	29.14	28.62	28.81	29.20	29.52	29.64	28.72
Eom	31.58	31.19	30.70	30.02	29.34	29.09	28.69	28.88	29.25	29.42	29.69	28.38
							1974					
5	28.24	28.39	28.76	28.55	28.13	27.92	.....	28.09	.....	.....	.....	28.83
10	28.29	28.43	28.77	28.34	.....	.....	27.79	.....	.....	.....	.....	28.84
15	28.30	.....	.....	28.21	.....	.....	.....	.....	.....	.....	29.13	.....
20	.....	.....	.....	.....	.....	.....	27.92	.....	.....	.....	29.16	.....
25	.....	.....	28.77	.....	.....	.....	28.01	28.46	28.52	.....	28.91	28.62
Eom	28.34	28.69	28.65	e28.15	28.02	27.90	28.04	28.49	28.78	29.11	28.97	28.65

e Estimated.

Hancock County

#44950068220601. Local number H 1. Norman Salisbury. Amherst. Dug unused water-table well in glacial drift, diam 18 in (46 cm), depth 14 ft (4 m), cased with field stone to 14 ft (4 m). Lsd about 330 ft (103 m) above msl. MP top of 2-x 4-in (5.1- x 10-cm) timber driven into bottom of well, at lsd. Highest water level 2.10 ft (0.64 m) below lsd, May 29, 1961; lowest dry, several times, 1944, 1948, 1949, 1952, 1955, 1957, 1960, 1964-66. Records available: 1943-74.

Date	Water level						
Jan. 12, 1973	(J)	July 13, 1973	7.20	Jan. 12, 1974	e6.80	July 11, 1974	7.90
27	4.70	27	7.00	31	e7.20	28	7.40
Feb. 12	(J)	Aug. 12	7.10	Feb. 21	7.30	Aug. 11	9.00
26	6.20	26	9.00	27	6.60	28	10.70
Mar. 11	4.40	Sept. 13	9.30	Mar. 12	6.80	Sept. 12	11.30
27	5.20	27	9.40	27	6.00	27	12.00
Apr. 14	5.70	Oct. 12	9.40	Apr. 11	e6.60	Oct. 12	8.40
26	5.90	24	9.84	30	4.90	27	8.60
May 12	5.30	Nov. 14	6.40	May 12	5.00	Nov. 11	7.50
29	5.30	30	6.20	28	6.40	Dec. 2	6.00
June 11	6.60	Dec. 13	4.60	June 14	7.00	12	6.60
28	6.70	27	4.30	28	6.90	27	4.20

e Estimated (well frozen).

J Well frozen.

Kennebec County

#441849069442001. Local number K 52. Walter Panek. Augusta. Dug unused water-table well in glacial till, diam 36 in (91 cm), depth 22 ft (7 m), stone casing. Lsd about 220 ft (67 m) above msl. MP top of floor of shelter house, at lsd. Highest water level 3.46 ft (1.05 m) below lsd, Nov. 30, 1963; lowest 14.29 ft (4.36 m) below lsd, Oct. 31, 1963. Records available: 1960-74.

441849069442001--Continued.

Mean water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	5.68	4.05	4.95	5.72	3.92	.....	.....	8.94	5.25	4.72
10	4.30	4.57	5.53	6.03	.....	.....	.....	8.95	4.69	3.89
15	4.32	4.95	5.37	5.95	.....	.....	.....	9.05	4.85	3.75
20	4.27	5.34	5.06	5.10	.....	.....	.....	9.20	4.85	4.38
25	6.14	4.72	5.71	4.52	5.74	.....	.....	.....	9.32	4.97	4.58
Eom	b4.38	6.29	4.85	4.23	5.14	4.69	h7.10	h7.17	8.72	8.35	4.34	4.41

1974												
5	5.02	....	5.63	4.77	4.63	....	....	....	....	....	....	....
10	5.50	....	5.71	4.57	4.99	....	....	....	....	....	....	....
15	5.92	....	6.15	4.09	4.35	....	....	....	....	....	....	....
20	6.31	....	4.75	4.54	....	....	6.20	....	....	....	....	....
25	5.41	5.34	4.33	3.87	....	....	h6.66	....	....	....	....	5.69
Eom	b4.37	5.82	5.14	4.57	5.01	5.75	6.95	8.52	h5.84	h5.66	h4.51	5.92

h Tape measurement.

44203965533801. Local number K 88. A. Allen Staspole. Winthrop. Drilled unused artesian well in bedrock, diam. 6 in (15 cm), depth 298 ft (91 m), cased with steel. Lsd about 350 ft (107 m) above msl. MP top of pipe, at lsd. Highest water level 35.26 ft (10.75 m) below lsd. Apr. 17, 1977; lowest 59.86 ft (18.25 m) below lsd, Oct. 31, 1962. Records available: 1962-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26, 1973	45.57	July 30, 1973	44.43	Mar. 28, 1974	45.95	Aug. 27, 1974	52.58
Feb. 26	(J)	Aug. 27	47.04	Apr. 29	43.10	Sept. 30	53.62
Mar. 28	43.37	Sept. 27	46.06	May 30	43.80	Oct. 29	56.59
Apr. 26	43.04	Oct. 29	49.88	June 27	50.24	Nov. 27	52.81
May 29	40.78	Nov. 23	45.18	July 26	49.86	Dec. 23	53.50
June 28	43.05						

j Top frozen.

Oxford County

444637070552301. Local number 0 400. Union Water Power Co. Middle Dam, Lower Richardson Lake. Due unused (domestic until Aug. 19, 1973) water-table well in glacial till, diam 24 in (61 cm). depth 15 ft (5 m), casing information not available. Lsd about 1,450 ft (442 m) above msl. MP top of casing, 2,000 ft (0.61 m) above lsd. Highest water level 0.2 ft (0.1 m) below lsd, May 20, 1945, Apr. 30, 1961, Apr. 16, 1967; lowest 12.2 ft (3.7 m) below lsd, Oct. 9, 16, 23, 1966. Records available: 1944-74.

Jan.	7, 1973	5.4	July	8, 1973	2.0	Jan.	6, 1974	2.8	July	7, 1974	3.8
14		5.6	15		3.5	13		3.6	14		4.2
21		6.2	22		4.8	20		4.1	21		5.3
28		4.3	29		6.7	27		3.8	28		6.1
Feb.	4	4.1	Aug.	5	6.2	Feb.	3	4.2	Aug.	4	6.8
11		4.2	12		7.0	11		4.2	11		7.7
18		4.7	19		6.6	17		4.8	18		8.2
25		6.0	26		7.3	24		5.2	25		8.8
Mar.	4	5.5	Sept.	2	7.8	Mar.	3	5.7	Sept.	1	9.2
11		4.5	16		8.0	10		3.2	8		9.1
18		1.0	23		8.0	17		1.2	15		9.0
25		.7	30		8.0	24		2.7	22		9.0
Apr.	1	.7	Oct.	6	7.1	31		3.0	29		8.8
8		1.0	14		5.6	Apr.	7	.9	Oct.	6	8.5
15		2.0	21		6.2	14		.7	13		8.2
22		.9	28		6.4	21		.7	20		7.9
29		.8	Nov.	4	5.2	28		.8	27		7.8
May	6	1.9	11		5.0	May	5	.8	Nov.	3	7.9
13		3.1	18		3.9	12		1.1	10		7.9
27		3.2	25		3.8	19		2.2	17		7.4
June	3	2.2	Dec.	2	3.8	26		1.2	24		6.0
10		2.8	9		3.2	June	2	2.5	Dec.	1	5.3
17		.8	16		1.4	16		4.9	8		4.6
24		1.9	23		1.2	23		5.4	22		3.7
July	1	.8	30		1.4	30		5.9	29		4.2

Somerset County

in sand, diam. 5 ft (2 m), depth 14 ft (4 m), cased with field stone to 14 ft (4 m). Lsd about 270 ft (82 m) above m.e.m. Top of horizontal 2-4 in. (5.1-10.2 cm) timber at northeast corner of well cover, 5.40 ft (1.63 m) above lsd. Highest water level 3.75 ft (1.14 m) below lsd, April 13, 1960; lowest dry, several times, 1952-53. Records available: 1842-74. Recording gage installed each spring in June and removed each fall in October or November.

Jan. 26, 1973	4.79	Mar. 28, 1973	4.44	May 22, 1973	4.25	May 31, 1973	5.31
Feb. 26	5.34	Apr. 26	4.88	29	4.87	June 21	5.25

444219069545801--Continued.

Mean water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	4.50	6.12	7.02	6.35	....	....
10	5.26	5.90	7.07	6.15	....	....
15	5.66	5.90	7.25	....	....	....
20	5.97	6.14	7.20	....	....	....
25	5.42	6.19	6.47	7.20	....	....	....
Eom	5.15	6.36	6.82	6.75	....	....	....

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Oct. 24, 1973	6.06	Jan. 25, 1974	5.21	Mar. 27, 1974	4.84	May 12, 1974	4.12
Nov. 23	5.98	Feb. 10	5.58	Apr. 9	4.82	26	4.36
Dec. 24	4.45	27	5.68	26	4.37	June 4	5.03
Jan. 11, 1974	5.70	Mar. 12	6.30				

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	5.12	5.44	6.91	....	6.42	....	h4.87
10	5.42	5.34	7.15	....	....	h7.53	h4.28
15	5.53	5.96	7.44	....	....	....	....
20	4.82	6.07	7.65	....	....	....	....
25	5.20	h6.38	7.80	h6.34	h7.15	h4.72	....
Eom	5.08	6.72	7.74	6.34	....	....	h5.17

h Tape measurement.

Washington County

444240067283501. Local number W 1. Julian A. Johnson. Machias. Drilled stock artesian well in bedrock, diam 6 in (15 cm), depth 54 ft (16 m), cased with steel. Lsd about 140 ft (43 m) above ms1. MP top of steel casing, at lsd. Highest water level 5.29 ft (1.61 m) below lsd, Apr. 16, 1961; lowest 13.95 ft (4.25 m) below lsd, Feb. 2, 1959. Records available: 1958-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26, 1973	9.96	May 15, 1973	9.00	Aug. 27, 1973	12.00	Nov. 25, 1974	9.01
Feb. 26	11.30	29	7.60	Oct. 16, 1974	10.28	Dec. 17	9.29
Mar. 26	9.32	June 26	10.55	28	10.63	25	10.05
May 1	6.60	July 25	11.30	Nov. 15	10.57		

444955067000501. Local number W 2. Lubec Water District. Lubec. Driven unused artesian well in glacial sand and gravel, diam 2½ in (6.4 cm), depth 52 ft (16 m), cased with iron pipe 0-42 ft (0-13 m), screened 42-52 ft (13-16 m). Lsd about 50 ft (15 m) above ms1. MP top of pipe, at lsd. Highest water level 9.31 ft (2.84 m) below lsd, June 14, 1960; lowest 19.89 ft (6.06 m) below lsd, Nov. 12, 1965. Records available: 1958-74.

Jan. 29, 1973	11.80	July 29, 1973	11.60	Jan. 28, 1974	16.10	July 30, 1974	15.10
Feb. 26	14.02	Aug. 31	e12.90	Feb. 27	15.70	Aug. 26	15.60
Mar. 27	10.50	Sept. 30	14.20	Mar. 25	15.80	Oct. 16	18.24
Apr. 29	11.20	Oct. 24	14.90	Apr. 25	15.30	26	18.36
May 30	11.05	Nov. 25	15.90	May 26	15.20	Nov. 26	18.29
June 29	10.50	Dec. 23	16.20	June 29	15.30	Dec. 26	18.21

e Estimated.

York County

434822070482501. Local number Y 1. James P. Small. Cornish. Dug unused water-table well in glacial outwash, diam 36 in (91 cm), depth 24 ft (7 m), curbed with brick to 24 ft (7 m). Lsd about 370 ft (113 m) above ms1. MP mark chiseled on top of concrete well curb, at lsd. Highest water level 7.90 ft (2.41 m) below lsd, Apr. 6, 1952; lowest 18.40 ft (5.61 m) below lsd, Nov. 14, 1948. Records available: 1943-74.

Mean water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	11.25	8.90	12.16	8.49	9.39	9.92	9.35	10.98	14.03	15.48	13.35	13.12
10	11.27	9.43	11.00	8.83	10.00	10.30	9.22	11.15	14.43	15.61	11.75	11.75
15	11.70	10.20	8.70	9.26	10.16	10.79	10.13	11.88	14.80	15.67	12.05	8.85
20	11.99	11.02	8.61	9.50	9.73	10.54	11.03	12.25	15.15	15.94	12.67	8.61
25	9.10	h11.62	h9.01	h10.14	8.79	h10.85	11.63	h12.84	h15.22	h16.25	h13.02	h8.89
Eom	9.77	11.92	9.09	9.50	9.52	11.37	12.23	13.50	15.27	16.32	13.41	8.85

GROUND-WATER LEVELS, 1973-74, NORTHEASTERN STATES

#34822070482501--Continued.

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	9.40	9.19	...	9.05	9.65	10.45	11.45	13.81	15.54	14.43	15.88	11.28
10	10.21	10.20	...	9.12	9.96	10.96	11.46	14.35	13.91	14.51	16.06	10.90
15	10.81	11.25	...	9.62	8.95	11.58	11.99	14.77	13.33	14.83	16.04	10.48
20	11.12	11.83	...	9.12	9.50	11.16	12.35	15.20	13.76	15.11	15.71	10.88
25	11.04	h11.99	h9.60	h9.18	9.85	h11.04	h12.76	h15.50	h14.02	h15.23	h11.99	h11.40
Eom	8.76	ell.80	9.97	9.24	9.92	11.00	13.31	15.86	14.13	15.58	ell.50	12.05

e Estimated.

h Tape measurement.

MASSACHUSETTS

The observation-well program in Massachusetts was continued during 1973 through 1974 in cooperation with the Massachusetts Department of Public Works. Figure 6 shows the location of the observation wells included in this report.

Well-Numbering System

The first number shown is the new national well-numbering system represented by the latitude and longitude coordinates of the well location, as explained on page 1. Local well numbers, designated by town or city name and serial numbers assigned within each city or town, have been continued in this report for the convenience of local users and for easy reference to previously published data.

Well Descriptions and Water-Level Measurements

Water levels are reported in feet below land surface datum, unless otherwise indicated.

Barnstable County

413956070164301. Local number Barnstable 230. U.S. Geol. Survey. Mary Dunn Rd. at Hyannis Airport. Augered observation water-table well in sand and gravel, diam $\frac{1}{4}$ in (3.2 cm), depth 36 ft (11 m), well point 33-36 ft (10-11 m). Lsd about 40 ft (12 m) above msl. MP top of casing, 0.70 ft (0.21 m) above lsd. Highest water level 21.05 ft (6.42 m) below lsd, May 12, 1973; lowest 26.22 ft (7.99 m) below lsd, Oct. 25, 1966. Records available: 1958-74.

Highest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	21.20	21.74	21.98	21.74	21.12	21.35	21.80	21.76	22.37	22.60	22.84	23.18
10	21.27	21.81	22.08	21.22	21.09	21.46	21.90	21.87	22.48	22.52	22.92	23.17
15	21.40	21.81	22.12	21.09	e21.06	21.55	21.97	22.01	e22.59	22.56	23.00	23.15
20	21.43	21.88	22.20	21.14	e21.09	21.67	21.95	22.05	e22.68	22.69	23.09	23.67
25	21.56	21.89	22.28	21.24	21.14	21.80	21.78	22.12	e22.73	22.78	23.16	23.19
Eom	21.67	21.93	22.19	21.20	21.23	21.82	21.73	22.24	22.80	22.79	23.15	22.08

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	22.12	21.68	21.81	22.16	e21.98	22.20	22.54	23.31	23.96	24.32	24.67	24.98
10	e22.16	21.72	21.87	22.15	22.07	22.25	22.62	23.42	23.99	24.38	24.74	24.99
15	e22.19	21.76	21.90	21.96	22.00	22.34	22.73	23.52	24.06	24.43	24.80	25.00
20	e22.21	21.80	21.97	e21.87	22.08	22.38	22.85	23.64	24.14	24.45	24.85	24.99
25	e22.20	21.84	22.05	21.84	22.13	22.44	22.99	23.77	24.22	24.51	24.89	25.02
Eom	21.74	21.84	22.02	e21.90	22.15	22.48	23.17	23.90	24.27	24.61	24.96	25.07

e Estimated.

414516070014701. Local number Brewster 21. U.S. Geol. Survey. Nook Rd. in Nickerson State Park. Augered observation water-table well in sand and gravel, diam $\frac{3}{4}$ in (6.4 cm), depth 25 ft (8 m), well point 22-25 ft (7-8 m). Lsd 36.69 ft (11.18 m), previously reported 50 ft (15 m), above msl. MP top of casing, 2.40 ft (0.73 m) above lsd. Highest water level 6.90 ft (2.10 m) below lsd, Apr. 25, 1974; lowest 13.34 ft (4.07 m) below lsd, Oct. 25, 1966. Records available: 1957-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26, 1973	8.87	July 27, 1973	7.12	Jan. 29, 1974	7.26	July 30, 1974	7.48
Feb. 26	8.51	Aug. 28	7.22	Feb. 26	7.10	Aug. 28	7.87
Mar. 27	8.31	Sept. 27	7.45	Mar. 28	7.08	Sept. 26	8.21
Apr. 26	7.82	Oct. 29	7.59	Apr. 25	6.90	Oct. 30	8.63
May 25	7.37	Nov. 28	7.60	May 29	6.93	Nov. 26	8.90
June 27	7.28	Dec. 20	7.48	June 26	7.04	Dec. 27	9.20

413449070322401. Local number Falmouth 5. Town of Falmouth. Driven unused water-table well in glacial drift, diam $\frac{3}{4}$ in (6.4 cm), depth 50 ft (15 m), casing information not available. Lsd about 8 ft (2 m) above msl. MP top of casing, at lsd. Highest water level 2.55 ft (0.78 m) below lsd, May 1, 1958; lowest 5.69 ft (1.73 m) below lsd, Dec. 31, 1974. Records available: 1950-74. Water levels affected by pumping.

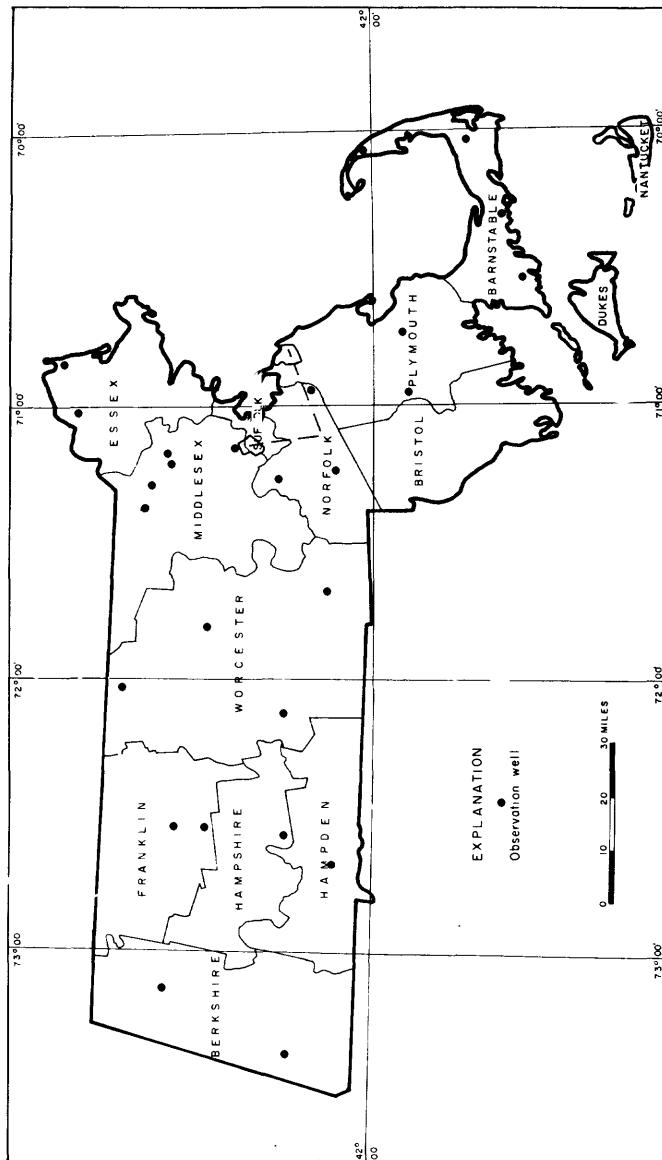


Figure 6.--Location of observation wells in Massachusetts, 1973-74.

413449070322401--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29, 1973	3.27	July 30, 1973	4.15	Jan. 29, 1974	4.09	July 31, 1974	5.00
Feb. 27	3.74	Aug. 29	4.50	Feb. 27	3.72	Aug. 29	5.37
Mar. 28	3.82	Sept. 28	4.77	Mar. 29	3.62	Sept. 27	5.45
Apr. 28	3.40	Oct. 30	4.85	Apr. 25	4.09	Nov. 4	5.54
May 30	3.30	Nov. 29	5.07	May 30	4.03	Dec. 27	5.67
June 28	3.92	Dec. 20	4.36	June 27	4.60	Dec. 31	5.69

420239070062001. Local number Truro 1. Town of Provincetown. Driven unused water-table well in glacial drift, diam 1½ in (3.2 cm), depth 68 ft (21 m), casing information not available. Lsd 13.30 ft (4.05 m), previously reported 16.8 ft (5.1 m), above msl. MP top of casing, 3.50 ft (1.07 m) above lsd. Highest water level 9.7 ft (3.0 m) below lsd, Dec. 27, 1972; lowest 12.1 ft (3.7 m) below lsd, Sept. 11, 1954. Records available: 1950-74. Water levels affected by pumping.

Date	Water level						
Jan. 26, 1973	9.93	July 27, 1973	10.90	Jan. 29, 1974	10.40	July 30, 1974	11.05
Feb. 26	10.18	Aug. 28	11.05	Feb. 26	10.63	Aug. 28	11.23
Mar. 27	10.06	Sept. 27	10.95	Mar. 28	10.81	Sept. 26	11.08
Apr. 26	10.33	Oct. 29	10.84	Apr. 25	10.51	Oct. 30	10.90
May 25	10.30	Nov. 28	10.78	May 29	10.59	Nov. 26	11.26
June 27	10.81	Dec. 20	10.61	June 26	10.62	Dec. 27	10.58

Berkshire County

423503073075401. Local number Cheshire 2. John Jayko, Wells and Jenks Rds. Dug unused water-table well in glacial drift, diam 30 in (76 cm), depth 22 ft (7 m), cased with stone. Lsd about 1,210 ft (369 m) above msl. MP inside rim of west side of concrete well top, 1.00 ft (0.30 m) above lsd. Highest water level 0.09 ft (0.03 m) below lsd, Jan. 19, 1952; lowest 14.03 ft (4.28 m) below lsd, Nov. 20, 1964. Records available: 1951-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1973	4.15	July 26, 1973	5.84	Jan. 29, 1974	3.23	July 30, 1974	6.18
Feb. 27	5.92	Aug. 29	6.21	Feb. 27	4.32	Aug. 27	8.61
Mar. 28	1.57	Sept. 27	8.14	Mar. 28	2.24	Sept. 26	4.59
Apr. 25	3.77	Oct. 30	9.56	Apr. 25	2.24	Oct. 31	5.24
May 30	1.61	Nov. 29	8.25	May 24	3.28	Nov. 27	2.86
June 28	4.67	Dec. 28	1.43	June 26	4.42	Dec. 27	3.65

421315073212801. Local number Great Barrington 2. Patrick Spence. 0.2 mi (0.3 km) north of Rte. 7 on Rte. 41. Dug unused water-table well in glacial drift, diam 36 in (91 cm), depth 15 ft (5 m), cased with stone. Lsd 732 ft (223 m) above msl. MP top of stone curbing east side of well, at lsd. Highest water level 4.02 ft (1.23 m) below lsd, Feb. 12, 1970; lowest 14.97 ft (4.56 m) below lsd, Nov. 20, 1964. Records available: 1951-74.

Highest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	5.90	5.87	8.98	4.75	8.70	8.87	8.30	10.11	12.03	12.72	12.65	12.47
10	8.30	7.44	7.60	5.28	9.95	10.13	10.08	11.20	12.48	12.73	12.63	8.11
15	9.50	9.03	6.80	6.53	...	9.89	11.05	11.78	12.64	12.73	12.64	8.12
20	8.10	9.53	5.98	7.69	...	10.69	11.73	11.87	12.68	12.72	12.67	8.85
25	7.11	9.28	6.85	8.77	...	11.02	12.05	12.44	12.69	12.71	12.68	8.00
Eom	7.58	9.54	6.71	8.10	7.65	8.02	12.31	12.16	12.71	12.71	12.59	6.27
1974												
5	7.00	6.72	7.19	6.50	8.60	9.75	9.85	12.64	10.74	10.28	9.95	8.40
10	8.17	6.80	7.44	6.93	9.24	10.60	9.82	12.67	10.40	10.71	10.05	6.63
15	7.52	7.00	8.82	5.83	7.25	10.96	10.96	12.70	10.52	11.04	9.83	7.03
20	7.39	8.00	7.73	7.31	8.70	11.09	11.62	12.71	10.97	10.06	10.32	7.05
25	6.38	7.19	7.03	8.21	9.26	10.88	12.27	12.70	10.48	10.79	8.80	8.23
Eom	6.28	7.53	7.76	9.40	9.87	10.97	12.60	12.64	9.69	11.25	10.02	9.06

e Estimated.

Essex County

424841071004101. Local number Haverhill 23. Benjamin Hamm, Amesbury Line Rd. Dug unused water-table well in sand, diam 12 in (30 cm), depth 15 ft (5 m), cased with tile. Lsd about 105 ft (32 m) above msl. MP hole in base of wooden recorder shelter, 1.00 ft (0.30 m) above lsd. Highest water level 8.08 ft (2.46 m) below lsd, Apr. 19, 1961; lowest 15.02 ft (4.58 m) below lsd, Feb. 2, 1966. Records available: 1960-74.

Highest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	9.83	9.30	10.66	8.52	8.98	9.78	11.38	12.61	13.55	14.09	14.20	14.46
10	10.06	9.53	10.74	8.27	9.23	10.68	11.63	12.73	13.66	14.16	14.39	14.31
15	10.29	9.81	10.79	8.43	9.44	10.38	11.87	12.97	13.76	14.22	14.37	14.34
20	10.26	10.08	10.72	8.70	9.56	10.72	12.10	13.11	13.84	14.29	14.43	13.24
25	9.77	10.28	10.69	8.96	9.22	11.03	12.27	13.27	13.93	14.36	14.49	12.82
Eom	9.98	10.45	10.82	8.88	9.50	11.28	12.48	13.44	14.01	14.28	14.45	12.52

424841071004101--Continued.

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	12.41	11.75	11.40	10.70	10.19	10.74	11.95	13.08	13.59	13.18	13.45	12.45
10	12.42	11.68	11.47	10.55	10.33	10.93	12.15	13.22	13.60	13.20	13.43	12.34
15	12.44	11.70	11.55	10.24	10.20	11.15	12.35	13.35	13.69	13.31	13.40	12.40
20	12.52	11.64	11.50	9.95	10.23	11.34	12.55	13.44	13.77	13.21	13.39	12.26
25	12.42	11.47	11.03	9.96	10.35	11.55	12.74	13.53	13.74	13.29	13.32	12.06
Eom	11.95	11.43	10.81	10.08	10.57	11.74	12.92	13.61	13.44	13.38	13.26	12.02

425103070513401. Local number Salisbury 9. Eugene G. Folsum. Garrish Rd. Dug unused water-table well in sand, diam 30 in (76 cm), depth 11 ft (3 m), cased with tile. Lsd about 35 ft (11 m) above msl. MP top inside lip of tile casing, 1.60 ft (0.49 m) above lsd. Highest water level 3.06 ft (0.93 m) below lsd. Mar. 27, 1969; lowest 8.20 ft (2.50 m) below lsd, Sept. 25, 1964. Records available: 1960-74.

Date	Water level						
Jan. 24, 1973	3.85	July 24, 1973	5.89	Jan. 22, 1974	4.46	July 24, 1974	6.60
Feb. 21	4.81	Aug. 23	6.15	Feb. 21	4.27	Aug. 26	7.59
Mar. 22	4.49	Sept. 24	6.56	Mar. 25	4.12	Sept. 24	6.65
Apr. 23	4.75	Oct. 24	6.97	Apr. 29	4.64	Oct. 24	6.49
May 23	4.11	Nov. 23	6.12	May 23	5.06	Nov. 21	4.98
June 22	5.49	Dec. 20	3.79	June 24	5.44	Dec. 23	4.27

Franklin County

423305072320301. Local number Montague 5. Thomas C. Kurtyka. Formerly C. A. Kurtyka. Montague Rd. near Old Northfield Rd. Dug and driven observation (previously reported unused) water-table well in glacial outwash; diam 1 $\frac{1}{2}$ in (3.2 cm), previously reported 38 in (97 cm); depth 12 ft (4 m), previously reported 9 ft (3 m); cased with steel; well point 9-12 ft (3-4 m). Lsd about 240 ft (73 m) above msl. MP top of casing, 1.75 ft (0.53 m) above lsd (since Oct. 19, 1972). Highest water level 0.42 ft (0.13 m) below lsd, May 30, 1973; lowest dry, Aug. 24, 1966. Records available: 1936-74. This well was deepened and cased with steel pipe on Oct. 19, 1972.

Jan. 30, 1973	1.70	July 26, 1973	1.35	Jan. 29, 1974	0.75	July 30, 1974	2.61
Feb. 27	1.76	Aug. 29	1.93	Feb. 27	1.01	Aug. 28	2.99
Mar. 28	.94	Sept. 27	1.99	Mar. 28	.80	Sept. 27	2.37
Apr. 25	.70	Oct. 29	1.88	Apr. 26	.96	Oct. 31	2.43
May 30	.42	Nov. 29	1.81	May 24	.91	Nov. 27	2.30
June 28	.71	Dec. 28	.70	June 27	1.45	Dec. 27	2.20

422607072324401. Local number Sunderland 7. Town of Sunderland. Rte. 116 at Russellville Brook. Driven unused water-table well in glacial outwash, diam 2 $\frac{1}{2}$ in (6.4 cm), depth 5 $\frac{1}{2}$ ft (16 m), casing information not available. Lsd about 210 ft (64 m) above msl. MP top of casing, at lsd. Highest water level 6.85 ft (2.09 m) below lsd, Apr. 25, 1973; lowest 23.26 ft (7.09 m) below lsd, Feb. 24, 1966. Records available: 1957-74. Water levels affected by pumping.

Jan. 30, 1973	8.17	July 26, 1973	8.41	Jan. 29, 1974	13.04	July 30, 1974	11.39
Feb. 27	8.24	Aug. 29	9.00	Feb. 27	12.30	Aug. 28	14.18
Mar. 28	7.04	Sept. 27	13.16	Mar. 28	11.92	Sept. 27	14.07
Apr. 25	6.85	Oct. 30	13.66	Apr. 26	11.32	Oct. 31	14.70
May 30	7.92	Nov. 29	14.15	May 24	10.85	Nov. 27	16.92
June 28	8.17	Dec. 28	13.10	June 27	10.91	Dec. 27	17.40

Hampden County

420646072420101. Local number Westfield 62. Westfield Sanatorium. East Mountain Rd. near Rte. 20. Driven unused water-table well in glacial outwash, diam 2 $\frac{1}{2}$ in (6.4 cm), depth 25 ft (8 m), casing information not available. Lsd about 210 ft (64 m) above msl. MP top of casing, 3.50 ft (1.07 m) above lsd. Highest water level 4.09 ft (1.25 m) below lsd, Apr. 30, 1958; lowest 11.18 ft (3.41 m) below lsd, Sept. 5, 1957. Records available: 1957-74. Water levels affected by pumping.

Mar. 27, 1973	5.47	Sept. 26, 1973	8.29	Feb. 26, 1974	5.73	Aug. 27, 1974	10.76
Apr. 24	4.78	Oct. 29	8.84	Mar. 27	5.42	Sept. 26	8.90
May 29	4.67	Nov. 28	8.87	Apr. 25	5.35	Oct. 30	8.16
June 27	6.00	Dec. 27	5.86	May 23	6.00	Nov. 26	9.01
July 25	6.16	Jan. 28, 1974	5.55	July 29	6.10	Dec. 26	7.04
Aug. 28	7.12						

Hampshire County

421356072322101. Local number Granby 68. Holyoke Water Power Co. Morgan St. Driven unused water-table well in glacial sand, diam 1 $\frac{1}{2}$ in (3.2 cm), depth 18 ft (5 m), well point 16-18 ft (4.9-5.5 m). Lsd about 239.17 ft (72.90 m), previously reported about 240 ft (73 m), above msl. MP top of casing, at lsd. Highest water level 4.99 ft (1.52 m) below lsd, Aug. 22, Nov. 15, 1955; lowest 11.17 ft (3.40 m) below lsd, Nov. 25, 1964. Records available: 1954-74.

#21356072322101--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29, 1973	6.23	July 25, 1973	7.69	Jan. 28, 1974	6.54	July 29, 1974	8.34
Feb. 26	6.53	Aug. 28	8.57	Feb. 26	6.32	Aug. 27	9.22
Mar. 27	5.83	Sept. 26	9.13	Mar. 27	5.95	Sept. 26	8.69
Apr. 24	5.72	Oct. 29	9.72	Apr. 25	6.30	Oct. 30	7.68
May 29	5.87	Nov. 28	9.50	May 23	6.62	Nov. 26	7.15
June 27	7.18	Dec. 27	7.34	June 26	7.74	Dec. 26	6.93

Middlesex County

422316071092501. Local number Cambridge 667. Cambridge Water Dept. Blanchard Rd. and Concord Ave. Drilled unused water-table well in sand and gravel, diam 8 in (20 cm), depth 129 ft (39 m), casing information not available. Lsd 11.63 ft (3.54 m) above msl. MP top of casing, 0.39 ft (0.12 m) above lsd. Highest water level 5.14 ft (1.57 m) below lsd, Dec. 29, 1969; lowest 27.21 ft (8.29 m) below lsd, Dec. 27, 1965. Records available: 1944-74.

Date	Water level						
Jan. 25, 1973	6.74	July 25, 1973	7.21	Jan. 23, 1974	5.41	July 25, 1974	7.92
Feb. 22	6.24	Aug. 24	8.22	Feb. 22	6.16	Aug. 26	10.97
Mar. 23	6.59	Sept. 25	10.30	Mar. 26	6.37	Sept. 23	11.49
Apr. 24	6.38	Oct. 25	11.11	Apr. 30	5.63	Oct. 25	10.50
May 24	7.30	Nov. 26	9.22	May 24	6.29	Nov. 22	9.71
June 25	6.06	Dec. 20	6.24	June 25	6.16	Dec. 24	7.38

423845071231401. Local number Chelmsford 68. Mrs. Harold Blackie. Middlesex St. and Groton Rd. Drilled unused water-table well in outwash, diam 6 in (15 cm), depth 50 ft (15 m), cased to 50 ft (15 m). Lsd 100.83 ft (30.73 m) above msl. MP top of hole in cap on casing, 1.40 ft (0.43 m) below lsd. Highest water level 5.25 ft (1.60 m) below lsd, Apr. 25, 1969; lowest 12.24 ft (3.73 m) below lsd, Sept. 28, 1957. Records available: 1939-74.

Date	Water level						
Jan. 25, 1973	6.93	July 25, 1973	8.15	Jan. 23, 1974	7.45	July 25, 1974	9.78
Feb. 22	7.33	Aug. 24	9.41	Feb. 22	7.84	Aug. 26	11.17
Mar. 23	6.63	Sept. 25	10.00	Mar. 26	7.56	Sept. 23	9.93
Apr. 24	6.59	Oct. 25	9.62	Apr. 30	7.45	Oct. 25	8.42
May 24	7.06	Nov. 26	8.77	May 24	7.89	Nov. 22	8.09
June 25	8.38	Dec. 20	7.30	June 25	8.81	Dec. 24	7.13

423812071174801. Local number Lowell 14. Rogers Hall School. Rogers St. and Fort Hill Ave. Dug unused water-table well in till, diam 24 in (61 cm), depth 30 ft (9 m), cased with stone. Lsd 157.78 ft (48.09 m) above msl. MP top edge of stone slab under wooden cover, 0.20 ft (0.06 m) below lsd. Highest water level 7.79 ft (2.37 m) below lsd, May 27, 1958; lowest 19.79 ft (6.03 m) below lsd, Dec. 29, 1965. Records available: 1939-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1973	9.27	July 25, 1973	11.67	Jan. 23, 1974	12.65	July 25, 1974	13.38
Feb. 22	9.42	Aug. 24	13.15	Feb. 22	11.25	Aug. 26	15.00
Mar. 23	9.29	Sept. 25	14.57	Mar. 26	10.23	Sept. 23	15.64
Apr. 24	8.85	Oct. 25	15.63	Apr. 30	9.74	Oct. 25	14.69
May 24	9.26	Nov. 26	16.25	May 24	10.34	Nov. 22	14.39
June 25	11.09	Dec. 20	15.85	June 25	11.66	Dec. 24	13.35

423329071122501. Local number Wilmington 10. L. Chisholm. Hopkins St. and Shawsheen Ave. Dug unused water-table well in sand, diam 36 in (91 cm), depth 9 ft (3 m) cased with stone. Lsd 113.63 ft (34.63 m) above msl. MP projecting stone in well, 0.17 ft (0.05 m) below lsd. Highest water level 0.45 ft (0.14 m) below lsd, Feb. 27, 1968; lowest dry, Dec. 13, 1941, Oct. 30, 1957, Aug. 26, 1974. Records available: 1940-74.

Date	Water level						
Jan. 24, 1973	1.14	July 24, 1973	3.14	Jan. 22, 1974	1.27	July 24, 1974	5.35
Feb. 21	1.33	Aug. 23	3.87	Feb. 21	1.01	Aug. 26	11.17
Mar. 22	1.44	Sept. 24	4.63	Mar. 25	1.31	Sept. 24	6.57
Apr. 23	1.47	Oct. 24	5.72	Apr. 29	1.87	Oct. 24	3.84
May 23	1.44	Nov. 23	3.95	May 23	1.80	Nov. 21	3.17
June 22	3.36	Dec. 19	1.31	June 24	3.39	Dec. 23	1.69

f Dry.

423401071093801. Local number Wilmington 78. Town of Wilmington. Whitefield School, Middlesex Ave. Dug unused water-table well in sand, diam 42 in (107 cm), depth 12 ft (4 m), cased with stone. Lsd about 80 ft (24 m) above msl. MP hole in base of wooden recorder shelter, 0.33 ft (0.10 m) above lsd. Highest water level 4.90 ft (1.49 m) below lsd, May 2, 1953; lowest 11.27 ft (3.44 m) below lsd, Oct. 30, 1957. Records available: 1951-74.

Highest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	6.17	5.94	6.90	5.66	6.21	6.87	6.95	7.80	8.52	8.99	8.64	8.40
10	6.39	6.05	6.88	5.51	6.34	7.08	7.91	8.61	9.06	8.57	8.16	
15	6.65	6.15	6.84	5.81	6.52	7.25	7.27	8.05	8.71	9.12	8.56	7.75
20	6.53	6.48	6.62	6.05	6.40	7.44	7.49	8.15	8.74	9.18	8.60	6.84
25	6.46	6.67	6.65	6.26	6.41	7.57	7.62	8.30	8.83	9.24	8.62	6.60
Eom	6.57	6.77	6.78	6.02	6.64	7.14	7.71	8.25	8.91	8.85	8.50	6.37

423401071093801--Continued.

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	6.47	6.50	6.72	6.55	6.92	7.17	8.10	9.08	9.76	8.67	8.39	7.73
10	6.68	6.72	6.90	6.52	6.84	7.28	8.24	9.24	9.71	8.63	8.39	7.52
15	6.86	6.89	7.08	6.34	6.64	7.45	8.40	9.38	9.74	8.72	8.41	7.51
20	7.05	6.54	7.02	6.42	6.75	7.52	8.57	9.51	9.80	8.42	8.44	7.33
25	6.84	6.55	6.49	6.64	6.91	7.78	8.75	9.63	9.46	8.31	8.37	7.31
Eom	6.40	6.57	6.50	6.76	7.11	7.93	8.87	9.74	8.94	8.38	8.41	7.52

Norfolk County

421435071165701. Local number Dover 10. U.S. Geol. Survey. Springdale Ave. at Dover Public School. Augered observation water-table well in sand and gravel, diam 2 in (5.1 cm), depth 54 ft (16 m), well point 52-54 ft (15.9-16.5 m). Lsd about 160 ft (49 m) above msl. MP top of casing, 3.00 ft (0.91 m) above lsd. Highest water level 30.25 ft (9.22 m) below lsd, Feb. 20, 1970; lowest 36.87 ft (11.24 m) below lsd, Jan. 21, 1966. Records available: 1965-74.

Date	Water level						
Jan. 26, 1973	31.12	July 27, 1973	32.82	Jan. 24, 1974	33.17	July 26, 1974	33.23
Feb. 23	31.12	Aug. 27	33.20	Feb. 25	32.20	Aug. 26	34.04
Mar. 26	31.88	Sept. 25	33.73	Mar. 26	31.58	Sept. 25	34.55
Apr. 23	31.59	Oct. 26	34.30	Apr. 29	31.18	Oct. 24	34.40
May 24	32.00	Nov. 27	34.75	May 22	31.60	Nov. 22	34.39
June 26	32.58	Dec. 19	34.60	June 25	32.48	Dec. 30	33.63

420432071151201. Local number Foxborough 3. U.S. Geol. Survey. Chestnut St. at Foxborough State Hospital. Augered observation water-table well in sand and gravel, diam 2 in (5.1 cm), depth 32 ft (10 m), well point 30-32 ft (9-10 m). Lsd about 290 ft (88 m) above msl. MP top of casing, 3.00 ft (0.91 m) above lsd. Highest water level 16.24 ft (4.95 m) below lsd, Mar. 25, 1968; lowest 21.42 ft (6.53 m) below lsd, Dec. 28, 1965. Records available: 1965-74.

Jan. 30, 1973	18.03	July 26, 1973	19.14	Jan. 30, 1974	18.09	July 26, 1974	19.85
Feb. 23	18.08	Aug. 27	19.63	Feb. 25	18.03	Aug. 27	20.52
Mar. 26	18.47	Sept. 26	19.96	Mar. 27	17.70	Sept. 25	20.52
Apr. 25	18.15	Oct. 26	20.38	Apr. 24	17.76	Oct. 24	20.09
May 29	18.33	Nov. 27	20.45	May 28	18.61	Nov. 22	20.18
June 26	18.94	Dec. 18	19.00	June 28	19.14	Dec. 30	19.18

420954070554501. Local number Weymouth 2. U.S. Geol. Survey. U.S. Naval Air Station at main gate. Augered observation water-table well in glacial till, diam 2 in (5.1 cm), depth 30 ft (9 m), well point 28-30 ft (8.5-9.1 m). Lsd 180 ft (55 m) above msl. MP top of casing, 3.00 ft (0.91 m) above lsd. Highest water level 5.59 ft (1.70 m) below lsd, Mar. 26, 1969; lowest 22.06 ft (6.72 m) below lsd, Nov. 22, 1965. Records available: 1965-74.

Jan. 30, 1973	7.09	July 26, 1973	10.20	Jan. 29, 1974	6.70	July 29, 1974	14.22
Feb. 23	8.04	Aug. 27	12.29	Feb. 25	6.79	Aug. 27	16.24
Mar. 26	8.27	Sept. 26	13.61	Mar. 27	7.26	Sept. 25	16.07
Apr. 25	7.60	Oct. 26	15.32	Apr. 26	7.45	Oct. 25	13.44
May 29	8.50	Nov. 27	15.08	May 28	9.70	Nov. 25	13.69
June 26	10.74	Dec. 21	8.62	June 28	11.32	Dec. 31	11.33

Plymouth County

415228070554601. Local number Lakeville 14. U.S. Geol. Survey. Rte. 105 at Lakeville State Sanitarium. Augered observation water-table well in sand and gravel, diam 2 in (5.1 cm), depth 41 ft (13 m), well point 39-41 ft (12-13 m). Lsd about 105 ft (32 m) above msl. MP top of casing, 1.50 ft (0.46 m) above lsd. Highest water level 10.05 ft (3.06 m) below lsd, Jan. 4, 1973; lowest 23.59 ft (7.19 m) below lsd, Oct. 26, 1966. Records available: 1964-74.

Highest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	10.10	10.54	11.30	11.00	10.71	11.86	12.94	13.44	14.83	14.45	15.28	15.31
10	10.42	10.37	11.28	10.55	e11.20	12.15	12.80	13.71	14.35	14.63	15.33	15.17
15	10.87	10.43	11.23	10.73	e11.37	12.50	12.90	14.01	14.17	14.75	15.38	14.89
20	11.18	e10.46	11.47	11.07	e11.55	12.85	12.77	14.20	14.13	14.91	15.50	13.76
25	11.54	e10.80	11.63	11.32	e11.60	13.15	12.90	14.37	14.18	15.05	15.55	13.56
Eom	11.53	11.03	11.71	10.83	11.59	13.36	13.21	14.63	14.26	15.21	15.63	12.88

1974

5	12.43	10.74	11.05	11.15	11.74	12.94	14.16	15.75	17.34	18.24	18.77	19.14
10	12.30	11.20	11.33	10.80	11.97	13.13	14.44	16.03	17.50	18.37	18.86	18.96
15	12.17	11.50	11.68	10.87	12.11	13.41	14.63	16.33	17.65	18.50	18.93	18.89
20	11.68	11.51	11.69	10.96	12.25	13.68	14.90	16.62	17.82	18.59	19.00	18.82
25	11.14	11.17	11.00	11.13	12.41	13.86	15.14	16.88	17.96	18.64	19.08	18.71
Eom	10.64	10.96	10.89	11.41	12.72	14.01	15.45	17.15	18.10	18.71	19.14	18.62

e Estimated.

MASSACHUSETTS, WORCESTER COUNTY

35

415453070434901. Local number Plymouth 22. U.S. Geol. Survey. Meadow Rd. at Plymouth Airport. Dug unused water-table well in sand, diam $1\frac{1}{4}$ in (3.2 cm), depth 42 ft (13 m), screened 40-42 ft (12-13 m). Lsd about 145 ft (44 m) above msl. MP top of casing, at lsd. Highest water level 19.82 ft (6.04 m) below lsd, May 26, 1958; lowest 28.99 ft (8.84 m) below lsd, Jan. 28, 1966. Records available: 1956-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29, 1973	20.55	July 30, 1973	21.96	Jan. 29, 1974	21.82	July 31, 1974	23.30
Feb. 27	20.70	Aug. 29	22.67	Feb. 27	21.74	Aug. 28	23.93
Mar. 28	21.06	Sept. 28	23.04	Mar. 29	21.93	Sept. 27	24.53
Apr. 28	20.87	Oct. 30	23.59	Apr. 26	21.75	Oct. 29	25.10
May 30	21.05	Nov. 29	24.25	May 30	22.06	Nov. 27	25.52
June 28	21.48	Dec. 21	23.50	June 27	22.55	Dec. 31	26.13

Worcester County

420610071421401. Local number Northbridge 1. U.S. Geol. Survey. Intersection Rte. 146 and Whiting Rd. Augered observation water-table well in sand and gravel, diam 2 in (5.1 cm), depth 12 ft (4 m), well point 10-12 ft (3-4 m). Lsd about 370 ft (113 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 2.05 ft (0.62 m) below lsd, Mar. 27, 1972; lowest 4.75 ft (1.45 m) below lsd, Nov. 22, 1965. Records available: 1965-74.

Date	Water level						
Jan. 26, 1973	2.52	July 27, 1973	2.88	Jan. 24, 1974	2.66	July 26, 1974	3.19
Feb. 23	2.57	Aug. 27	3.18	Feb. 25	2.45	Aug. 26	3.54
Mar. 26	2.62	Sept. 25	3.30	Mar. 26	2.32	Sept. 25	3.29
Apr. 23	2.58	Oct. 26	3.57	Apr. 29	2.56	Oct. 29	3.08
May 24	2.59	Nov. 27	3.48	May 22	2.63	Nov. 25	3.25
June 26	2.82	Dec. 19	2.57	June 25	2.87	Dec. 30	3.15

422805071480801. Local number Sterling 1. Nunzio Lanciani. Justice Hill and South Nelson Rds. Dug unused water-table well in till, diam 24 in (61 cm), depth 15 ft (5 m), cased with stone. Lsd about 710 ft (216 m) above msl. MP edge of notch in center of 2- x 4-in (5.1- x 10-cm) board, at lsd. Highest water level 1.66 ft (0.51 m) below lsd, Mar. 26, 1969; lowest dry, Nov. 15, 28, 1964. Records available: 1947-74.

Date	Water level						
Jan. 26, 1973	2.74	July 27, 1973	5.56	Jan. 24, 1974	2.95	July 26, 1974	7.10
Feb. 23	2.87	Aug. 27	8.75	Feb. 25	3.00	Aug. 28	11.20
Mar. 26	2.70	Sept. 25	10.75	Mar. 26	3.02	Sept. 27	10.35
Apr. 23	3.07	Oct. 26	12.14	Apr. 29	3.08	Oct. 31	5.66
May 24	2.86	Nov. 27	9.66	May 22	3.23	Nov. 25	3.18
June 26	4.59	Dec. 21	3.00	June 27	3.29	Dec. 30	3.19

421410072081201. Local number West Brookfield 2. U.S. Geol. Survey. Intersection Rte. 9 and School St. Augered observation water-table well in sand and gravel, diam $1\frac{1}{4}$ in (3.2 cm), depth 40 ft (12 m), well point 37-40 ft (11-12 m). Lsd about 630 ft (192 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 17.17 ft (5.23 m) below lsd, Apr. 24, 1973; lowest 23.63 ft (7.20 m) below lsd, Feb. 21, 1966. Records available: 1959-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29, 1973	17.73	July 25, 1973	17.78	Jan. 24, 1974	18.47	July 29, 1974	18.63
Feb. 26	17.60	Aug. 28	18.16	Feb. 26	18.14	Aug. 26	19.09
Mar. 27	17.61	Sept. 26	18.62	Mar. 27	18.02	Sept. 25	19.21
Apr. 24	17.17	Oct. 29	19.12	Apr. 25	17.75	Oct. 29	19.00
May 29	17.30	Nov. 28	19.44	May 23	17.72	Nov. 25	19.05
June 27	17.62	Dec. 27	18.97	June 25	18.17	Dec. 30	18.62

424204072015201. Local number Winchendon 13. W. B. Hart. Forristall and Crosby Rds. Dug unused water-table well in glacial drift; diam 24 in (61 cm); depth 16 ft (5 m), previously reported 12 ft (4 m); cased with stone. Lsd 1,209.36 ft (386.61 m) above msl. MP steel hole in top of cement cover, 1.15 ft (0.35 m) above lsd (since January 1973). Highest water level 1.86 ft (0.57 m) below lsd, Mar. 20, 1948; lowest 13.36 ft (4.07 m) below lsd, Dec. 24, 1964. Records available: 1939-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1973	3.56	July 26, 1973	6.37	Jan. 29, 1974	2.78	July 30, 1974	9.24
Feb. 27	5.27	Aug. 29	8.69	Feb. 27	3.82	Aug. 28	10.97
Mar. 28	3.45	Sept. 27	10.61	Mar. 28	3.51	Sept. 27	9.08
Apr. 25	4.44	Oct. 29	11.72	Apr. 26	3.94	Oct. 31	7.80
May 30	3.88	Nov. 29	10.29	May 24	4.29	Nov. 27	5.10
June 28	5.07	Dec. 28	2.57	June 27	6.51	Dec. 27	4.68

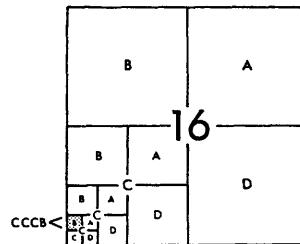
MICHIGAN

The observation-well program in Michigan was continued from 1973 through 1974 in cooperation with the Michigan Department of Natural Resources and its Geological Survey Division. Figure 7 shows the location of observation wells included in this report.

Well-Numbering System

Wells are numbered according to their latitude-longitude location, as explained on page 1. Local well numbers are also given.

The local well number indicates the location of wells within the rectangular subdivision of the land with reference to the Michigan meridian and base line. The first two segments of the well number designate township and range, the third segment of the number designates the section and the letters A thru D designate successively smaller subdivisions of the section. Thus, a well designated as 32N 6E 16CCCB would be located to the nearest 2.5 acre (1 hectare) and would be within the shaded area in section 16 below. In the event that two or more wells are located in the same 2.5 acre (1 hectare) tract, a sequential number designation follows the letter designations--for example, 16CCCB1, 16CCCB2, 16CCCB3, etc.



Well Descriptions and Water-Level Measurements

Water levels are reported in feet below land-surface datum, unless otherwise indicated.

Alger County

Au Train Township

461608086373801. Local number 45N 19W 25BDBB. U.S. Forest Service. Drilled unused artesian well in deposits of Pleistocene age, diam 6 in (15 cm), depth 66 ft (20 m), cased. Lsd about 850 ft (259 m) above msl. MP top of 3-in (7.6-cm) extension pipe, 3.60 ft (1.10 m) above lsd. Highest water level 6.4 ft (2.0 m) below lsd, June 29, 1960; lowest 14.2 ft (4.3 m) below lsd, Apr. 3, 1964. Records available: 1959-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1, 1973	11.91	Dec. 7, 1973	11.83	Apr. 29, 1974	12.80	Oct. 30, 1974	11.82
May 1	11.12	Mar. 11, 1974	12.41	Aug. 6	11.86	Dec. 18	11.76
Aug. 21	10.83						

Baraga County

Covington Township

463353088144301. Local number 48N 32W 12DDCC. State Highway Dept. U.S. Hwy. 41, near Nestoria. Driven observation water-table well in sand and gravel of Pleistocene age, diam 1 $\frac{1}{2}$ in (3.2 cm), depth 10 ft (3 m), screened 7-10 ft (2-3 m). Lsd about 1,630 ft (497 m) above msl. MP top of casing, 0.90 ft (0.27 m) above lsd. Highest water level 3.27 ft (1.00 m) below lsd, Apr. 30, 1965; lowest 8.09 ft (2.47 m) below lsd, Sept. 2, 1969. Records available: 1948-74. Measurements made by Wisconsin-Michigan Power Co.

463353088144301--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1973	7.29	July 3, 1973	7.63	Jan. 2, 1974	7.62	June 1974	7.16
31	7.41	31	7.25	31	7.66	July 31	7.06
Feb. 28	7.58	Aug. 31	7.26	Feb. 26	7.83	Oct. 2	6.51
Apr. 2	6.20	Oct. 1	7.51	Apr. 1	7.91	31	7.63
30	6.74	31	7.67	29	6.48	Dec. 3	6.50
May 31	7.02	Nov. 30	7.35	May 31	6.76		

Bay County

Pinconning Township

435128083582401. Local number 17N 4E 22DBDC. Pinconning Township. Second St. Drilled unused artesian well in Saginaw Formation of Pennsylvanian age, diam 6 in (15 cm), depth 110 ft (34 m), cased to 60 ft (18 m). Lsd about 620 ft (189 m) above msl. MP top of recorder base, 2.00 ft (0.61 m) above lsd. Highest water level 0.57 ft (0.17 m) below lsd, Mar. 15, 1971; lowest 10.53 ft (3.21 m) below lsd, Aug. 8, 1963. Records available: 1962-74. Water levels affected by regional pumping. Recording gage reinstalled May 1974. Jan. 8, 1973, 1.20; Feb. 21, 1.14; Mar. 26, 1.14; Apr. 24, 1.03; June 4, 1.61.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	1.20	....	....	1.84	2.33	2.11	1.57	....
10	1.20	1.42	....	2.65	2.13	1.80	1.65	1.32
15	1.06	1.35	2.43	2.51	2.04	1.73	1.52	1.55
20	1.30	1.37	2.80	2.64	2.36	1.87	1.37	1.45
25	1.62	1.41	2.48	2.92	1.98	1.60	1.56	1.52
Eom	1.77	2.20	1.94	2.06	1.84	1.62	1.63	1.49

Branch County

City of Coldwater

415602084593701. Local number 6S 6W 22CABA. City of Coldwater. Drilled unused (test for PW 4) artesian well in sand and gravel of Pleistocene age, diam 6 in (15 cm), depth 113 ft (34 m), screened 73-113 ft (22-34 m). Lsd about 970 ft (296 m) above msl. MP top of recorder base, 2,500 ft (0.76 m) above lsd. Highest water level 9.6 ft (2.9 m) below lsd, Mar. 11, 1974; lowest 24.1 ft (7.4 m) below lsd, Aug. 7, 1964. Records available: 1964-74. Water levels affected by nearby pumping.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	17.3	17.1	15.9	14.7	11.5	14.5	16.4	14.0	17.4	18.0	17.7	17.5
10	15.1	17.2	15.4	15.1	15.5	12.9	16.7	17.1	16.7	18.1	16.1	17.3
15	17.4	17.0	15.1	13.1	15.7	15.7	14.5	16.2	18.1	17.9	17.9	17.7
20	15.1	16.3	15.4	15.5	13.2	16.1	17.2	....	17.0	16.2	17.9	16.7
25	16.8	14.9	11.3	15.1	15.8	16.3	17.3	....	17.6	17.9	17.1	....
Eom	17.4	16.3	13.8	15.2	15.2	12.5	17.1	17.3	15.0	17.6	17.8	....

1974

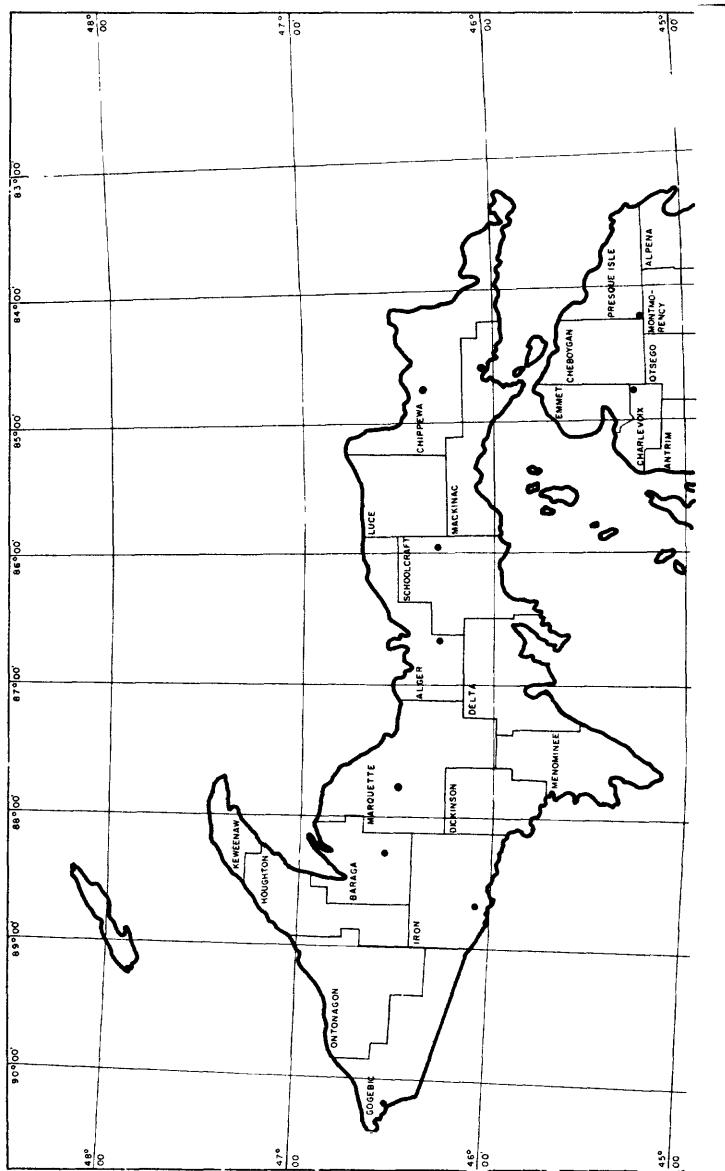
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	16.0	....	14.7	....	13.0	18.1	16.2	17.5	19.9	16.2	18.8	19.2
10	16.6	....	12.0	....	15.1	17.0	19.0	15.9	20.0	20.1	15.1	19.6
15	16.7	....	14.2	....	17.5	15.8	19.3	19.7	15.9	19.9	18.8	17.5
20	....	....	14.3	....	16.3	17.6	19.7	19.6	20.1	15.9	18.9	19.5
25	11.6	....	14.5	....	13.3	15.9	20.1	15.9	20.0	17.0	19.0	16.2
Eom	....	15.0	13.0	15.2	17.5	14.0	20.2	16.7	19.9	18.8	15.7	18.8

Calhoun County

Pennfield Township

422422085071501. Local number 1S 7W 10BBAB. Kenneth N. Sabin. Dug and driven stock water-table well in deposits of Pleistocene age; diam 1 $\frac{1}{2}$ in (3.2 cm), previously reported 15 in (38 cm); depth 12 ft (4 m); cased with steel pipe. Lsd 907.99 ft (276.76 m) above msl. MP top of 1 $\frac{1}{2}$ -in (3.2-cm) pipe driven into dug well, 1.50 ft (0.46 m) above lsd. Highest water level 0.89 ft (0.27 m) below lsd, Mar. 28, 1950; lowest dry, July 29, 1964. Records available: 1946-74.

GROUND-WATER LEVELS, 1973-74, NORTHEASTERN STATES



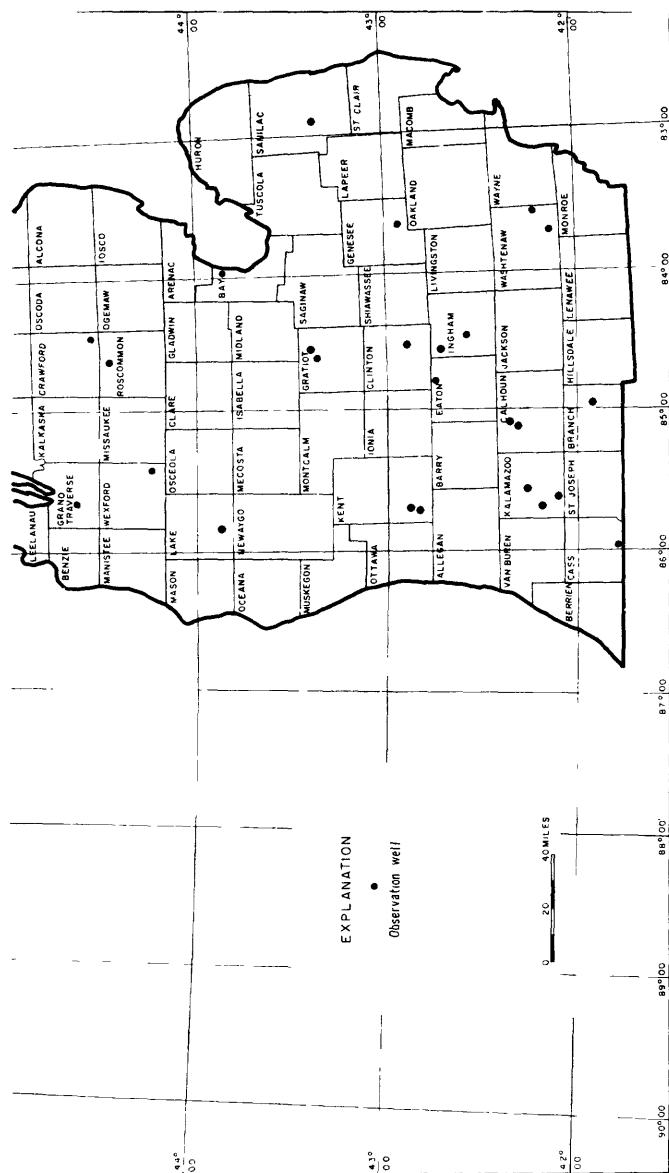


Figure 7.—Location of observation wells in Michigan, 1973-74.

GROUND-WATER LEVELS, 1973-74, NORTHEASTERN STATES

422422085071501--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1973	3.62	July 4, 1973	3.10	Jan. 16, 1974	3.20	July 10, 1974	3.10
10	3.44	25	3.25	23	3.36	17	3.19
17	3.12	Aug. 1	3.34	30	2.91	24	3.37
24	2.98	8	3.54	Feb. 6	2.93	31	3.35
30	3.09	15	3.60	13	3.24	Aug. 7	3.46
Feb. 7	3.12	22	3.68	20	3.50	14	3.56
14	3.27	29	3.75	27	3.70	21	3.80
21	3.34	Sept. 5	3.40	Mar. 6	3.50	28	3.74
Mar. 1	3.41	12	3.35	13	2.90	Sept. 4	3.76
7	3.40	19	3.35	20	2.42	11	3.90
14	3.24	26	3.00	27	2.29	18	4.01
21	2.90	Oct. 3	3.10	Apr. 3	2.22	25	3.99
28	2.79	10	3.50	10	2.14	Oct. 2	4.02
Apr. 4	2.82	17	3.66	17	2.10	9	4.10
11	2.76	24	4.19	24	2.12	16	4.20
18	3.20	31	4.10	May 1	1.90	23	4.22
26	3.40	Nov. 7	4.30	8	1.82	30	4.24
May 2	3.45	14	4.14	15	1.88	Nov. 6	4.30
9	3.10	21	4.10	22	2.10	13	4.28
16	3.04	28	4.06	29	2.52	20	4.34
23	2.50	Dec. 5	4.06	June 5	2.50	28	4.36
30	2.33	12	4.07	12	2.66	Dec. 4	4.40
June 6	2.60	19	4.10	19	2.70	11	4.55
13	2.68	26	4.09	25	2.98	18	4.55
20	2.80	Jan. 2, 1974	3.90	26	2.86	26	4.50
27	2.90	9	3.66	July 3	2.94		

422025085084001. Local number 1S 7W 32DABD. City of Battle Creek. Drilled unused artesian well in Marshall Formation of Mississippian age, diam 8 in (20 cm), depth 127 ft (39 m), cased to 103 ft (31 m). Lsd 830.79 ft (253.22 m) above msrl. MP top of recorder base, 2.10 ft (0.64 m) above lsd. Highest water level 0.7 ft (0.2 m) below lsd, Apr. 26, 27, 1950; lowest 16.75 ft (5.11 m) below lsd, July 16, 1959. Records available: 1939-74. Water levels affected by nearby pumping. Measurements made by Water Dept.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	7.00	6.50	7.20	5.20	5.65	6.70	6.45	6.00	7.80	5.80	5.00	4.90
10	5.40	6.45	6.40	6.15	6.90	5.25	7.10	7.20	6.70	6.10	5.00	4.60
15	5.65	7.20	6.65	5.75	6.70	6.35	6.00	7.10	7.10	6.05	5.00	4.50
20	6.10	7.35	5.60	6.00	5.85	6.50	6.00	6.60	6.50	5.30	5.55	5.10
25	5.80	6.90	5.20	6.05	7.05	7.25	6.80	6.05	5.90	5.75	4.75	4.60
Eom	7.25	7.25	5.00	6.10	6.25	7.10	6.35	8.50	5.95	5.10	5.30	4.10
1974												
5	4.35	4.00	3.85	2.70	2.90	4.60	4.55	5.50	5.80	5.25	5.05	5.10
10	4.30	3.30	2.80	2.45	3.90	4.20	5.55	5.70	5.80	5.90	4.95	5.15
15	4.15	3.85	2.85	3.30	3.00	4.20	6.95	6.95	5.50	5.15	5.00	5.10
20	4.50	4.35	2.90	2.85	3.50	3.70	6.00	6.00	6.65	5.20	4.80	4.50
25	3.50	3.50	3.05	3.90	3.45	3.60	6.45	5.70	6.10	5.65	4.85	5.05
Eom	3.80	3.15	2.85	3.70	3.00	3.95	6.00	6.00	5.75	5.60	5.25	4.75

Cass County

Mason Township

414651085575601. Local number 8S 14W 17BAAA. Ted Little. Dug unused water-table well in deposits of Pleistocene age, diam 28 in (71 cm), depth 55 ft (17 m), cribbed with brick to open bottom. Lsd about 840 ft (256 m) above msrl. MP top of wooden well cover, 0.80 ft (0.24 m) above lsd. Highest water level 46.20 ft (14.08 m) below lsd, July 16, 1950; well dry, Mar. 10, 1947, Nov. 1, 1964, to Mar. 7, 1965. Records available: 1945-74.

Date	Water level						
Jan. 23, 1973	51.60	July 24, 1973	49.98	Jan. 23, 1974	51.08	July 24, 1974	49.70
Feb. 24	51.55	Aug. 23	50.06	Feb. 25	51.05	Aug. 23	50.00
Mar. 26	51.40	Sept. 24	50.60	Mar. 21	52.20	Sept. 20	48.50
Apr. 25	50.60	Oct. 23	49.30	Apr. 25	50.70	Oct. 22	50.15
May 24	49.90	Nov. 22	50.68	May 25	50.40	Nov. 25	50.50
June 24	49.48	Dec. 26	51.00	June 24	50.00	Dec. 26	50.57

Charlevoix County

Chandler Township

#51700084454401. Local number 33N 4W 2ACCB. State Dept. of Natural Resources. Drilled unused artesian well in deposits of Pleistocene age, diam 6 in (15 cm), depth 94 ft (29 m), cased. Lsd about 970 ft (296 m) above msl. MP metal strip in concrete block, 1.50 ft (0.46 m) above lsd. Highest water level 69.49 ft (21.18 m) below lsd, July 14, 1960; lowest 75.85 ft (23.12 m) below lsd, Apr. 16, 1956. Records available: 1948-71, 1974. No measurement made in 1973; measurement resumed in 1974. Apr. 15, 1974, 73.64; July 22, 71.98; Dec. 16, 73.16.

Chippewa County

Superior Township

#62158084442201. Local number 46N 4W 24DADA. U.S. Forest Service. Drilled unused artesian well in deposits of Pleistocene age, diam 6 in (15 cm), depth 54 ft (16 m), cased. Lsd about 850 ft (259 m) above msl. MP top of casing, 0.31 ft (0.09 m) above lsd. Highest water level 18.40 ft (5.61 m) below lsd, June 7, 1971; lowest 28.43 ft (8.67 m) below lsd, Apr. 14, 1964. Records available: 1952-65, 1969-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	23.29	22.41	21.65	21.18	21.07	21.48	21.18	21.83	22.31	22.39
10	.....	.....	23.35	22.22	21.50	21.20	21.12	21.41	21.32	21.91	22.40	22.42
15	22.74	.....	23.35	22.13	21.45	21.22	21.18	21.22	21.44	21.99	22.46	22.44
20	22.83	23.12	23.18	22.05	21.31	21.19	21.24	21.08	21.55	22.08	22.53	22.40
25	22.86	23.19	22.90	21.94	21.27	21.12	21.29	21.08	21.61	22.12	22.52	22.43
Eom	22.88	23.21	22.64	21.82	21.19	21.06	21.43	21.12	21.74	22.17	22.49	22.52

1974												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	22.57	22.94	23.34	23.74	21.61	.....	20.90	21.43	22.01	22.35	22.64	22.54
10	22.63	.....	23.44	23.75	21.44	21.36	20.93	21.51	22.08	22.40	22.57	22.50
15	22.65	.....	23.47	23.59	21.32	21.17	20.98	21.56	22.17	22.43	22.53	22.61
20	22.74	.....	23.51	23.10	21.30	20.99	21.10	21.66	22.23	22.50	22.49	22.64
25	22.82	.....	23.58	22.41	21.26	20.95	21.17	21.75	22.25	22.56	22.60	22.70
Eom	22.90	.....	23.68	21.94	.....	20.86	21.31	21.90	22.31	22.61	22.62	22.76

Clinton County

Olive Township

#25410084323501. Local number 6N 2W 16DDAD. State Highway Dept. Drilled unused water-table well in gravel of Pleistocene age, diam 1" in (36 cm), depth 23 ft (7 m), open bottom. Lsd 803.32 ft (244.85 m) above msl. MP top of recorder base, 1.30 ft (0.40 m) above lsd. Highest water level 13.84 ft (4.22 m) below lsd, Apr. 30, 1974; lowest 19.93 ft (6.07 m) below lsd, Feb. 27, Mar. 27, 1964. Records available: 1948-74. Federal key well.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22, 1973	15.03	Aug. 10, 1973	16.37	Jan. 25, 1974	16.16	July 24, 1974	16.57
Feb. 22	15.70	Sept. 20	16.76	Feb. 23	15.76	Aug. 20	17.12
Mar. 23	16.69	Sept. 20	17.26	Mar. 21	14.39	Sept. 24	17.52
Apr. 23	14.22	Oct. 24	17.48	Apr. 30	13.84	Oct. 25	17.76
May 23	14.77	Nov. 21	17.48	May 21	14.74	Nov. 25	17.89
June 22	15.11	Dec. 26	17.07	June 20	15.55	Dec. 22	17.83
July 23	16.03						

Crawford County

South Branch Township

#443308084242001. Local number 25N 1W 15DDCD. U.S. Forest Service. Huron National Forest. Drilled unused artesian well in deposits of Pleistocene age, diam 6 in (15 cm), depth 56 ft (17 m), cased. Lsd about 1,190 ft (363 m) above msl. MP top of recorder base, 2.95 ft (0.90 m) above lsd. Highest water level 26.85 ft (8.18 m) below lsd, May 25, 1971; lowest 35.97 ft (10.96 m) below lsd, Apr. 4-6, 1953. Records available: 1948-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	28.42	28.10	28.11	28.33	28.55	28.86	29.16	29.39
10	28.30	28.10	28.14	28.33	28.61	28.89	29.24	29.49
15	28.28	28.09	28.18	28.40	28.66	28.92	29.23	29.56
20	29.29	.....	.....	28.20	28.07	28.20	28.44	28.72	29.01	29.32	29.56
25	28.57	28.15	28.08	28.22	28.48	28.75	29.02	29.36
Eom	28.48	28.12	28.10	28.27	28.52	28.81	29.04	29.45

443308084242001--Continued.

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	29.71	29.94	....	29.28	28.51	27.72	27.46	27.39	27.68	27.95	28.28	28.62
10	29.76	29.94	....	29.20	28.31	27.62	27.42	27.40	27.69	28.01	28.33	28.65
15	29.76	29.99	....	29.14	28.13	27.58	27.40	27.45	27.76	28.06	28.39	28.73
20	29.83	30.00	29.36	29.06	28.02	27.55	27.40	27.48	27.81	28.14	28.40	28.79
25	29.87	29.98	29.42	28.93	27.89	27.53	27.37	27.53	27.80	28.18	28.53	28.85
Eom	29.92	29.92	29.32	28.73	27.78	27.45	27.37	27.57	27.91	28.23	28.58	28.92

Eaton County

City of Grand Ledge

424524084452501. Local number 4N 4W 2CCDC. Layne-Northern Co., Inc. Perry and Jefferson Sts., Grand Ledge. Drilled unused artesian well in Saginaw Formation of Pennsylvanian age, diam 12 in (30 cm), depth 376 ft (115 m), cased to 22 ft (7 m). Lsd 846.59 ft (258.04 m) above msl. MP top of recorder base, 1.00 ft (0.30 m) above lsd. Highest water level 14.79 ft (4.51 m) below lsd, Apr. 14, 1974; lowest 30.10 ft (9.17 m) below lsd, Aug. 5, 1964. Records available: 1948-74. Measurement discontinued. Water levels affected by regional pumping.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	18.09	17.51	17.36	16.12	16.03	16.22	16.45	17.68	18.74	e19.70	....	20.24
10	17.55	17.76	17.55	16.08	15.91	16.14	16.64	17.78	18.93	19.68	20.63	20.29
15	17.40	17.82	17.39	16.03	16.20	16.15	16.87	18.06	19.18	e19.80	....	20.71
20	17.23	17.93	17.32	16.05	16.25	16.20	16.99	18.24	19.32	19.95	20.62	20.53
25	17.10	18.20	16.86	15.92	16.33	16.31	17.15	18.35	19.44	19.95	20.60	20.70
Eom	17.26	18.20	16.50	15.99	16.35	16.35	17.41	18.60	e19.52	....	20.71	20.56

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	20.51	....	17.30	15.49	....	16.24	17.15	18.30	19.29	....	....	....
10	20.57	18.45	16.65	15.31	....	16.28	17.35	18.38	19.28	....	....	....
15	20.52	18.35	15.80	15.21	....	16.29	17.52	18.61	19.55	....	....	....
20	20.56	18.52	15.68	15.31	....	16.62	17.76	18.79	....	....	....	....
25	19.75	17.95	15.89	15.47	16.03	16.77	17.85	18.91	....	....	....	....
Eom	19.20	17.68	15.70	....	16.18	16.87	18.12	19.11	....	....	....	....

e Estimated.

Genesee County

Grand Blanc Township

425552083382801. Local number 6N 7E 9DCCC. Fisher Body Div., General Motors Corp. Drilled unused artesian well in Saginaw Formation of Pennsylvanian age, diam 10 in (25 cm), depth 385 ft (117 m), cased to 150 ft (46 m). Lsd 837.0 ft (255.1 m) above msl. MP base of recorder, 1.50 ft (0.46 m) above lsd. Highest water level 53.5 ft (16.3 m) below lsd, May 11, 1974; lowest 77.0 ft (23.5 m) below lsd, July 20, 1974. Records available: 1974. Water levels affected by nearby pumping. Measurements made by Plant Water Dept. Replaces well 6N 7E 9DCDD.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	57.9	57.7	57.2	55.0	56.0	64.1	....	71.0	72.2	67.1	67.4	59.4
10	57.6	57.1	57.7	62.4	55.2	64.1	73.8	66.7	73.2	70.2	63.1	65.0
15	57.7	....	62.0	56.4	59.6	61.5	71.2	72.0	67.4	68.8	60.7	60.2
20	58.5	58.3	62.0	55.5	60.7	62.8	77.0	70.0	66.9	65.1	64.8	65.0
25	58.3	59.2	63.1	60.4	56.8	64.6	72.8	74.1	71.8	64.6	64.9	60.3
Eom	....	58.4	60.8	62.0	60.5	64.2	75.3	68.8	75.6	67.6	59.2	63.0

Gogebic County

Ironwood Township

463029090133401. Local number 48N 47W 31DCDC. City of Ironwood. Big Springs well field. Drilled unused artesian well in sand and gravel of Pleistocene age, diam 1 $\frac{1}{4}$ in (3.2 cm), depth 115 ft (35 m), screened 112-115 ft (34-35 m). Lsd 1,170 ft (357 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 12.6 ft (3.8 m) below lsd, June 2, 1966; lowest 44.4 ft (13.5 m) below lsd, Feb. 10, 1974. Records available: 1963-74. Water levels affected by nearby pumping.

MICHIGAN, INGHAM COUNTY

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463029090133401--Continued.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	22.7	....	....	18.7	19.6	....	....	19.8	25.0	24.2	28.8	
10	....	....	....	19.0	19.3	....	....	20.4	22.2	24.4	27.2	28.4
15	....	....	21.9	19.3	19.7	....	....	20.6	23.3	24.9	29.4	29.8
20	....	....	20.8	19.4	....	20.0	....	22.0	22.9	25.9	28.4	30.6
25	....	....	19.1	20.2	....	....	....	20.9	23.5	26.2	28.6	31.7
Eom	....	....	18.8	20.5	....	....	....	19.6	24.2	25.6	28.1	33.1
1974												
5	34.1	35.3	34.8	32.4	20.5	20.8	18.2	....	20.0	22.1	20.9	21.0
10	32.7	44.4	35.6	32.5	20.7	19.5	....	20.7	21.2	23.1	21.3	20.4
15	33.8	44.4	35.8	30.2	19.7	17.9	20.8	20.0	19.9	22.7	....	20.4
20	33.3	34.2	35.6	24.1	20.5	17.8	20.4	20.1	21.9	20.3	....	20.6
25	34.6	40.0	34.8	21.6	21.2	18.0	20.9	20.0	23.8	20.5	....	20.7
Eom	34.1	34.2	33.5	20.5	19.3	18.4	20.2	19.3	22.5	20.9	....	20.7

Grand Traverse County

Blair Township

443712085375001. Local number 26N 11W 27CBAD. State Dept. of Natural Resources. Formerly State Dept. of Conservation. Jetted observation water-table well in deposits of Pleistocene age, diam 2 in (5.1 cm), depth 14 ft (4 m), open bottom. Lsd 914.25 ft (278.66 m) above msl. MP top of pipe, 0.40 ft (0.12 m) above lsd. Highest water level 1.12 ft (0.34 m) below lsd, Apr. 17, 1962; lowest 4.02 ft (1.23 m) below lsd, Aug. 18, 1936. Records available: 1935-37, 1941-44, 1948-73. Measurement discontinued. Apr. 23, 1973, 1.80; July 11, 2.12; Oct. 10, 2.74; Dec. 20, 2.55.

Gratiot County

City of Alma

432319084384701. Local number 12N 3W 35BCBC. Reed Excavating Co. Bridge Ave. and Washington St., Alma. Dug unused water-table well in deposits of Pleistocene age, diam 36 in (91 cm), depth 20 ft (6 m), open bottom. Lsd 738.78 ft (225.18 m) above msl. MP top of wooden pumbase, 0.20 ft (0.06 m) above lsd. Highest water level 12.66 ft (3.86 m) below lsd, Apr. 27, 1967; lowest 17.92 ft (5.46 m) below lsd, Feb. 27, 1963. Records available: 1950-74. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22, 1973	14.54	June 22, 1973	16.58	Nov. 2, 1973	17.20	Mar. 29, 1974	14.90
Feb. 22	15.53	July 23	15.64	30	16.76	May 28	15.15
Mar. 23	14.50	Aug. 10	16.98	Jan. 4, 1974	17.20	June 26	15.79
Apr. 23	15.12	Sept. 7	17.40	31	15.72	July 23	16.57
May 23	15.79	Oct. 9	17.52	2	15.56	Aug. 23	17.09

Bethany Township

432608084355401. Local number 12N 2W 18BABA. Michigan Chemical Co. Riverside Dr. Drilled unused artesian well in Marshall Formation of Mississippian age, diam 5 in (13 cm), depth 1,261 ft (384 m), cased to 1,096 ft (334 m). Lsd about 720 ft (219 m) above msl. MP top of platform, 0.30 ft (0.09 m) above lsd. Highest water level 96.79 ft (29.50 m) below lsd, July 24, 1974; lowest 267.6 ft (81.6 m) below lsd, Aug. 30, 1957. Records available: 1957-74. Measurement discontinued. Water levels recovering as the result of the discontinuance of pumping and possibly from the effects of injection wells.

Jan. 22, 1973	100.91	June 22, 1973	99.60	Nov. 2, 1973	98.45	Mar. 29, 1974	97.31
Feb. 22	100.91	July 23	99.54	30	98.36	Apr. 30	97.20
Mar. 23	100.82	Aug. 10	99.16	Jan. 4, 1974	98.24	May 28	97.13
Apr. 23	100.10	Sept. 7	99.13	31	97.60	June 26	96.96
May 23	99.74	Oct. 9	98.90	2	97.44	July 24	96.79

Ingham County

City of Lansing

442502084331301. Local number 4N 2W 9BDAD. City of Lansing, North Grand River Ave. and Josephine St., Lansing. Drilled unused artesian well in Saginaw Formation of Pennsylvanian age, diam 14 in (36 cm), depth 395 ft (120 m), cased to 49 ft (15 m). Lsd 828.81 ft (252.62 m) above msl. MP top of plywood recorder base, 10.20 ft (3.11 m) below lsd. Highest water level 15.63 ft (4.76 m) below lsd, Mar. 26, 1931; lowest 179.4 ft (54.7 m) below lsd, Apr. 29, 1968. Records available: 1919, 1929-74. Water levels affected by regional pumping.

GROUND-WATER LEVELS, 1973-74, NORTHEASTERN STATES

424502084331301--Continued.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	129.0	125.6	122.8	119.9	123.0	125.5	131.6	134.7	137.5	132.7	....	126.8
10	128.4	125.4	122.5	119.8	122.9	126.0	131.9	135.6	137.3	130.9	....	126.5
15	127.7	124.6	121.5	120.4	123.9	128.2	132.2	135.4	136.9	130.0	....	126.7
20	127.1	124.0	121.5	121.6	124.1	129.6	133.6	135.0	136.7	129.8	128.4	126.0
25	126.5	123.9	120.9	122.1	124.3	130.7	134.1	134.6	136.0	129.2	127.6	124.0
Eom	126.0	123.5	120.5	122.4	124.7	131.4	134.4	136.8	134.1	127.9	128.1	122.9

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	123.9	123.6	122.0	120.4	118.6	116.4	118.7	....	122.8	120.5	118.7	117.9
10	123.9	123.0	122.7	119.0	118.1	116.1	....	....	121.8	120.3	118.4	117.5
15	123.5	123.3	121.9	119.6	117.6	116.2	....	....	121.5	120.2	117.9	117.5
20	123.7	122.8	121.6	119.7	117.7	116.2	....	121.1	121.1	120.2	117.3	117.3
25	123.8	122.9	121.6	119.5	117.1	116.6	....	121.6	120.5	119.9	118.2	117.3
Eom	123.5	122.2	120.4	118.9	116.3	117.2	....	121.5	120.6	119.5	118.0	117.3

City of Mason

423500084263601. Local number 2N 1W 5DDAD. City of Mason. Jefferson Ave. and Okemos St., Mason. Drilled unused artesian well in Saginaw Formation of Pennsylvanian age, diam 6 in (15 cm), depth 150 ft (46 m), cased. Lsd about 890 ft (271 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 0.08 ft (0.02 m) below lsd, June 29, 1949; lowest 10.67 ft (3.25 m) below lsd, Aug. 1, 1964. Records available: 1948-74. Measurement discontinued. Water levels affected by regional pumping. Measurements made by Water Dept.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 23, 1973	5.19	June 25, 1973	5.57	Nov. 19, 1973	7.24	Apr. 24, 1974	5.15
Feb. 23	5.81	July 25	7.77	Dec. 26	8.56	May 21	5.50
Mar. 26	3.29	Aug. 24	8.09	Jan. 22, 1974	5.79	June 20	7.00
Apr. 26	4.89	Sept. 21	8.73	Feb. 22	5.59	July 19	7.07
May 24	5.96	Oct. 19	8.40	Mar. 25	4.50	Aug. 16	8.74

Iron County

Stambaugh Township

460455088412901. Local number 43N 35W 33BDA. State Highway Dept. Driven unused water-table well in sand and gravel of Pleistocene age, diam 1 1/4 in (3.2 cm), depth 12 ft (4 m), screened 9-12 ft (3-4 m). Lsd about 1,520 ft (463 m) above msl. MP top of casing, 2.05 ft (0.62 m) above lsd. Highest water level 1.66 ft (0.51 m) below lsd, June 1, 1973; lowest 8.44 ft (2.57 m) below lsd, Mar. 15, 1949. Records available: 1948-74. Measurement made by Wisconsin-Michigan Power Co.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1973	3.12	July 2, 1973	2.35	Dec. 31, 1973	4.57	July 1974	4.03
Feb. 1	3.44	Aug. 1	2.86	Feb. 1, 1974	4.90	Aug. 1	4.57
Mar. 1	3.88	30	3.42	29	5.13	Oct. 1	5.00
Apr. 3	2.39	Oct. 2	3.83	Apr. 1	5.30	Nov. 1	5.15
May 1	1.83	Nov. 6	4.09	30	4.40	Dec. 2	5.06
June 1	1.66	Dec. 3	4.24	June 3	3.93		

Kalamazoo County

City of Kalamazoo

421641085350601. Local number 2S 11W 22CDBB. City of Kalamazoo. Stockbridge Ave. Drilled unused water-table well in deposits of Pleistocene age, diam 4 in (10 cm), depth 137 ft (42 m), screened 134-137 ft (41-42 m). Lsd 764.7 ft (233.1 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 5.22 ft (1.59 m) below lsd, Nov. 11, 1974; lowest 31.08 ft (9.47 m) below lsd, Aug. 19, 1961. Records available: 1960-74. Water levels affected by nearby pumping.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	9.50	8.86	8.82	8.51	8.82	10.25	11.58	13.21	e15.03	12.34	10.68	8.70
10	8.43	9.30	8.00	9.28	10.28	12.23	14.00	e15.33	12.05	10.31	8.64	
15	8.82	9.05	9.70	8.60	9.25	11.90	12.52	13.50	....	12.05	9.91	7.70
20	9.20	8.84	....	9.90	9.20	12.27	12.90	13.92	....	11.92	9.75	8.05
25	9.75	9.05	9.45	9.46	11.98	12.74	13.43	11.86	9.00	6.96
Eom	9.65	8.95	8.50	8.41	9.25	11.50	13.35	11.17	9.50	6.74

MICHIGAN, KENT COUNTY

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421641085350601--Continued.

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	6.66	7.15	6.88	7.55	8.35	9.28	10.16	11.68	10.88	10.47	6.14	7.67
10	7.84	6.65	6.50	7.90	8.20	9.25	11.51	12.62	12.00	10.51	5.85	8.43
15	7.22	7.60	7.81	8.25	8.33	9.47	12.00	12.95	11.45	9.97	9.03	9.07
20	7.14	7.45	7.00	....	7.83	9.65	12.50	12.70	11.88	10.00	7.82	9.06
25	6.95	7.80	7.15	....	8.83	9.35	12.09	12.50	11.29	10.22	7.42	8.50
Eom	7.25	7.66	6.45	8.38	8.79	9.75	13.35	12.57	10.81	7.00	7.26	6.98

e Estimated.

Schoolcraft Township

420624085362401. Local number 4S 11W 21CBBB2. Willis Chamberlain. 16th St., Schoolcraft. Drilled unused water-table well in sand of Pleistocene age, diam 1¹/₂ in (3.2 cm), depth 21 ft (6 m), cased to 18 ft (5 m), screened 18-21 ft (5-6 m). Lsd about 863 ft (263 m) above msl. MP top of pipe, 2.80 ft (0.90 m) above lsd. Highest water level 9.69 ft (2.95 m) below lsd, May 27, 1974; lowest 13.77 ft (4.20 m) below lsd, Dec. 15, 1968. Records available: 1966-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1, 1973	13.60	Aug. 20, 1973	12.02	Feb. 4, 1974	12.47	July 8, 1974	11.27
8	13.58	27	11.97	11	12.35	15	11.31
15	12.44	Sept. 10	12.27	18	12.26	22	11.36
22	12.09	17	12.09	25	12.20	29	11.35
29	11.95	24	12.19	Mar. 4	12.18	Aug. 5	11.88
Feb. 5	12.00	Oct. 1	12.45	11	11.72	12	11.70
12	12.00	8	12.57	18	11.36	19	11.16
19	12.15	15	12.63	25	11.27	Sept. 30	12.50
26	11.57	22	12.68	Apr. 1	11.12	Oct. 7	12.56
Mar. 5	12.03	29	12.66	8	11.06	14	12.68
12	11.95	Nov. 12	12.93	15	11.05	21	12.70
19	11.89	19	13.03	22	10.95	28	12.70
26	11.78	26	13.10	29	10.94	Nov. 4	12.88
June 5	11.28	Dec. 13	13.13	May 6	11.00	11	12.97
11	11.27	10	13.15	13	10.94	18	13.05
18	11.18	17	13.19	20	10.81	25	13.00
26	11.17	24	13.23	27	9.69	Dec. 2	13.20
July 16	11.50	Jan. 1, 1974	13.19	June 10	10.97	9	12.70
23	11.57	7	13.25	17	10.80	16	12.30
30	11.79	14	13.26	24	10.97	23	12.20
Aug. 7	11.91	21	12.80	July 1	10.99	30	11.48
13	12.05	28	12.62				

Texas Township

421325085404801. Local number 3S 12W 11BDAD. City of Kalamazoo. Atwater well field. Drilled unused artesian well in sand of Pleistocene age, diam 3 in (7.6 cm), depth 248 ft (76 m), cased. Lsd about 880 ft (268 m) above msl. MP top of recorder base, 4.00 ft (1.22 m) above lsd. Highest water level 2.98 ft (0.91 m) above lsd, Sept. 4, 1969; lowest 0.31 ft (0.09 m) below lsd, Jan. 21, 1965. Records available: 1961-74.

Lowest water level for the day, above lsd, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	....	+1.64	+1.90	+2.11	+2.14	+1.81	+1.50	+1.13	....	....	+0.71
10	....	....	1.77	1.95	2.12	2.18	1.92	1.24	....	....	....	....
15	....	....	....	1.92	2.12	2.14	1.75	1.08	....	....	....	....
20	+1.49	....	1.85	1.96	2.14	1.78	2.16	1.65	....	....	....	.71
25	1.52	+1.73	1.83	2.00	2.15	2.17	2.20	1.85	....	....	....	.93
Eom	1.56	1.73	1.88	1.75	2.17	2.18	1.46	1.20	.84	+0.72	....	.91

1974												
5	+0.84	....	+0.61	+0.73	+0.96	+1.07	+0.89	+0.99	+1.33	+1.26	+1.17	+1.00
10	.74	+0.54	.64	.90	.96	1.12	.73	1.10	2.03	1.29	1.24	1.07
15	.54	.71	.74	.80	.94	1.19	.61	1.17	2.05	1.40	1.08	1.01
20	.69	.61	.70	.85	1.02	1.13	.70	1.76	1.40	1.47	1.18	.93
25	.69	.63	.69	.91	1.01	1.17	.70	1.43	1.32	1.33	1.00	1.05
Eom	....	.58	.66	.89	1.03	1.15	.73	1.38	1.17	1.25	1.56	.95

Kent County

City of Wyoming

425305085432001. Local number 6N 12W 27BBB2. City of Wyoming. 44th St. and Byron Center Ave. Drilled unused artesian well in Marshall Formation of Mississippian age, diam 14 in (36 cm), depth 265 ft (81 m), cased to 207 ft (63 m). Lsd 707.24 ft (215.57 m) above msl. MP top of plywood recorder base, 1.50 ft (0.46 m) above lsd. Highest water level 46.38 ft (14.14 m) below lsd, May 21, 1974; lowest 56.05 ft (17.08 m) below lsd, Aug. 8, 1964. Records available: 1962-74. Water levels affected by pumping.

425305085432001--Continued.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	48.54	48.25	48.16	47.91	47.70	47.24	47.23	48.26	48.27	48.34	48.29	48.21
10	48.33	48.33	48.19	47.85	47.51	47.40	47.48	48.36	48.43	48.22	48.44	48.15
15	48.35	48.31	48.15	47.84	47.50	47.50	47.78	48.51	48.48	48.19	48.35	48.34
20	48.40	48.16	48.02	47.85	47.57	47.56	48.00	48.46	48.42	48.38	48.23	48.21
25	48.27	48.34	47.95	47.67	47.50	47.60	47.96	48.60	48.20	48.30	48.15	48.10
Eom	48.21	48.21	48.02	47.70	47.33	47.65	48.15	48.55	48.33	48.16	48.42	47.99

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	48.01	47.66	47.25	46.91	46.75	46.68	47.01	47.47	47.63	47.79	47.93	47.87
10	48.14	47.61	47.23	46.76	46.76	46.66	47.15	47.43	47.63	47.79	47.96	47.80
15	48.12	47.75	46.91	46.63	46.74	46.79	47.31	47.60	47.87	47.72	48.02	47.87
20	48.23	47.71	46.88	46.70	46.54	46.82	47.68	47.65	47.99	47.90	47.77	47.93
25	48.05	47.52	46.89	46.76	46.71	46.83	47.57	47.85	47.78	47.92	47.94	47.85
Eom	47.87	47.50	46.86	46.70	46.66	46.90	47.56	47.87	47.85	47.93	47.89	47.85

Byron Township

425028085435301. Local number 5N 12W 4DDCD. City of Wyoming (Womba well). Drilled unused artesian well in sand and gravel of Pleistocene age, diam 6 in (15 cm), depth 86 ft (26 m), cased. Lsd 685.97 ft (209.08 m) above msl. MP top of plywood recorder base, 2.50 ft (0.76 m) above lsd. Highest water level 8.28 ft (2.52 m) below lsd, Apr. 14, 1974; lowest 12.91 ft (3.93 m) below lsd, Aug. 19, 1964. Records available: 1962-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	8.94	9.27	9.44	9.00	8.83	8.78	9.58	10.11	10.50	10.53	10.47	10.05
10	9.09	9.37	9.46	9.09	8.71	9.00	9.74	10.21	10.53	10.53	10.55	10.01
15	9.30	9.45	9.31	9.03	8.90	9.24	9.88	10.37	10.66	10.66	10.46	10.06
20	9.08	9.52	9.26	9.14	9.05	9.42	10.04	10.22	10.53	10.56	10.40	10.07
25	9.09	9.60	9.15	9.00	9.07	9.52	10.11	10.30	10.57	10.59	10.23	10.12
Eom	9.24	9.63	9.12	9.11	8.81	9.52	10.19	10.44	10.52	10.48	10.18	9.84

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	9.86	....	8.71	8.50	8.84	9.21	9.64	10.14	10.48	10.52	....	10.38
10	9.92	....	8.55	8.49	8.97	8.99	9.81	10.19	10.52	10.55	....	10.37
15	9.97	....	8.56	8.40	9.02	9.13	9.97	10.25	10.56	10.58	....	10.34
20	9.97	....	8.67	8.48	8.75	9.21	10.09	10.34	10.63	10.46	....	10.29
25	9.30	....	8.83	8.61	8.93	9.35	10.14	10.42	10.64	10.49	10.31	10.31
Eom	8.93	....	8.54	8.78	9.08	9.50	10.24	10.48	10.51	....	10.34	10.28

Lake County

Pleasant Plains Township

435348085514401. Local number 17N 13W 4ADAD. Chesapeake and Ohio RR. Drilled unused artesian well in deposits of Pleistocene age, diam 8 in (20 cm), depth 83 ft (25 m), cased. Lsd about 840 ft (256 m) above msl. MP top of casing, 11.50 ft (3.51 m) below lsd. Highest water level 15.16 ft (4.62 m) below lsd, July 15, 1969; lowest 20.36 ft (6.21 m) below lsd, May 23, 1958. Records available: 1957-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 25, 1973	17.23	Oct. 18, 1973	19.07	Apr. 10, 1974	18.53	Oct. 3, 1974	17.64
July 11	17.95	Dec. 13	19.38	July 17	16.62	Dec. 11	18.05

Mackinac County

Marquette Township

460310084355001. Local number 42N 2W 7AABB. U.S. Forest Service. Drilled unused water-table well in Manitou Dolomite of Middle Silurian age, diam 6 in (15 cm), depth 102 ft (31 m), cased. Lsd about 650 ft (198 m) above msl. MP top of recorder base, 2.30 ft (0.70 m) above lsd. Highest water level 13.1 ft (4.0 m) below lsd, May 11, 1960; lowest 32.2 ft (9.8 m) below lsd, Nov. 22, 1963. Records available: 1956-74. Recording gage installed January 1973.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	24.8	22.9	24.7	....	e18.5	21.9	23.5	17.7	24.0	26.1	27.2	26.7
10	24.9	23.3	21.0	....	17.9	22.4	23.7	19.2	e24.5	26.3	27.4	24.9
15	25.1	23.6	15.6	....	e18.4	22.8	24.1	20.2	24.9	26.4	27.4	25.4
20	22.3	23.7	....	....	e19.4	23.1	24.4	22.2	25.2	26.7	27.5	25.5
25	22.0	24.3	....	20.6	e20.4	23.3	24.7	22.9	25.5	26.9	27.0	25.7
Eom	22.8	24.4	....	e20.6	21.3	23.5	24.9	23.5	25.8	27.0	26.9	24.9

460310084355001--Continued.

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	25.1	25.7	26.1	24.3	19.8	22.5	22.1	....	27.5	26.4	23.1	22.5
10	25.3	25.7	24.7	22.3	20.5	21.2	22.7	....	27.5	26.1	23.7	23.0
15	25.5	26.0	24.7	14.7	20.	20.0	23.7	....	26.5	26.1	22.6	23.4
20	25.7	26.1	24.9	15.7	21.0	21.2	24.3	....	26.7	25.9	22.8	23.6
25	25.9	26.3	25.2	17.5	21.5	22.3	24.8	....	26.4	25.8	21.4	24.0
Eom	25.7	26.4	25.3	18.8	22.1	22.9	....	....	26.3	25.8	21.7	24.2

e Estimated.

Marguette County

Ely Township

462936087475901. Local number 47N 28W 3CCDC. Ely Township. Drilled unused artesian well in sand and gravel of Pleistocene age, diam 8 in (20 cm), depth 72 ft (22 m), screened 68-72 ft (21-22 m). Lsd 1,571.99 ft (479.14 m) above msl. MP top of recorder base, 3.00 ft (0.91 m) above lsd. Highest water level 9.74 ft (2.97 m) below lsd, May 13, 1974; lowest 19.26 ft (5.87 m) below lsd, Apr. 10, 11, 1964. Records available: 1961-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	13.78	....	....	12.86	....	....	11.85	12.11	12.40	13.07	13.40	13.58
10	....	....	....	12.79	....	....	....	12.25	12.55	13.12	13.48	13.11
15	....	....	....	13.86	12.76	11.82	....	....	12.40	12.75	13.09	13.53
20	....	....	....	13.25	....	....	....	12.40	12.91	13.18	13.63	13.90
25	14.17	....	....	....	11.90	....	....	12.05	12.38	12.97	13.28	13.66
Eom	....	....	....	13.01	11.97	....	....	12.03	12.52	13.01	13.29	13.70

1974

5	14.23	14.94	15.45	15.91	13.65	13.66	13.14	13.71	14.20	14.45	14.44	14.21
10	14.36	15.02	15.54	15.99	13.68	13.73	13.24	13.68	14.28	14.38	14.31	14.29
15	14.46	15.12	15.56	15.47	13.67	13.76	13.37	13.80	14.26	14.41	14.05	14.38
20	14.56	15.24	15.63	14.58	13.68	13.18	13.49	13.86	14.31	14.53	13.93	14.50
25	14.69	15.34	15.71	13.77	13.64	13.13	13.61	13.93	14.35	14.59	14.09	14.62
Eom	14.83	15.40	15.82	13.64	13.66	13.16	13.81	14.07	14.44	14.67	14.17	14.80

Presque Isle County

Allis Township

451307084134901. Local number 33N 2E 30DABC. State Dept. of Natural Resources. Jetted observation water-table well in deposits of Pleistocene age, diam 2 in (5.1 cm), depth 14 ft (4 m), open bottom. Lsd about 800 ft (243 m) above msl. MP top of casing, 1.20 ft (0.37 m) above lsd. Highest water level 0.61 ft (0.19 m) below lsd, July 12, 1960; lowest 5.69 ft (1.73 m) below lsd, Jan. 27, 1956. Records available: 1934-44, 1948-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 24, 1973	2.56	Oct. 10, 1973	3.05	Apr. 16, 1974	2.65	Oct. 7, 1974	2.94
July 17	2.78	Dec. 13	3.21	July 23	1.83	Dec. 16	3.73

Roscommon County

Higgins Township

442756084350801. Local number 24N 2W 20BABA. State Dept. of Natural Resources. Jetted observation water-table well in sand of Pleistocene age, diam 8 in (20 cm), depth 14 ft (4 m), open bottom. Lsd 1,145.30 ft (349.09 m) above msl. MP top of 8-in (20-cm) pipe, 2.50 ft (0.76 m) above lsd. Highest water level 2.30 ft (0.70 m) below lsd, Apr. 23, 1971; lowest 6.23 ft (1.90 m) below lsd, Dec. 6-11, 1949. Records available: 1934-74. Federal key well.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	3.76	3.90	3.28	3.54	3.00	3.53	4.07	4.57	4.71	4.65	4.58
10	3.77	3.62	3.30	3.56	3.03	3.67	4.14	4.65	4.71	4.65	4.43
15	3.81	3.38	3..	3.60	3.15	3.78	4.22	4.73	4.71	4.67	4.39
20	3.88	3.27	3.34	3.66	3.24	3.90	4.32	4.78	4.69	4.68	4.37
25	3.96	3.28	3.38	3.72	3.38	4.03	4.39	4.60	4.71	4.63	4.39
Eom	3.79	3.99	3.32	3.46	2.98	3.41	4.08	4.51	4.71	4.70	4.60	4.39

442756084350801--Continued.

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	4.42	4.11	4.12	3.74	3.22	3.36	2.91	3.46	4.02	4.28	4.46	4.59
10	4.47	4.14	3.95	3.60	3.29	3.27	2.70	3.55	4.10	4.28	4.50	4.62
15	4.53	4.21	3.91	3.25	3.23	3.15	2.88	3.66	4.17	4.31	4.52	4.64
20	4.59	4.26	3.92	3.06	3.12	2.95	3.08	3.78	4.23	4.34	4.55	4.68
25	4.49	4.32	3.97	3.09	3.14	3.09	3.20	3.91	4.28	4.39	4.56	4.70
Eom	4.14	4.34	4.02	3.14	3.24	3.24	3.37	3.95	4.29	4.43	4.58	4.73

Sanilac County

Moore Township

432508082554501. Local number 12N 13E 33DDDD. State Highway Dept. Drilled unused artesian well in lower part of the Marshall Formation, diam 3 in (7.5 cm), depth 150 ft (46 m), cased to 53 ft (16 m). Lsd about 800 ft (244 m) above msl. MP top of 1x-in (3.2-cm) pipe extension, 1.00 ft (0.30 m) above lsd. Highest water level 15.45 ft (4.71 m) below lsd, Apr. 25, 1951; lowest 25.64 ft (7.82 m) below lsd, Jan. 6, 1965. Records available: 1948-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1973	20.00	Apr. 11, 1973	17.00	Aug. 22, 1973	19.40	Dec. 26, 1973	20.57
10	18.77	18	17.00	29	19.40	Jan. 23, 1974	18.20
17	18.88	May 2	17.23	Sept. 6	20.37	Feb. 27	18.10
24	18.70	9	17.20	12	20.24	Mar. 27	17.20
31	18.50	30	17.58	19	20.40	Apr. 10	16.54
Feb. 7	18.22	June 6	17.00	26	21.00	May 29	17.20
14	18.20	13	17.10	Oct. 3	21.06	June 19	17.88
21	18.36	20	17.50	10	21.26	July 24	19.54
28	18.20	27	17.60	17	21.37	Aug. 2	19.81
Mar. 7	18.24	July 4	17.50	24	21.55	Sept. 5	20.92
14	17.79	11	17.90	Nov. 1	e21.80	Oct. 31	22.15
21	17.00	18	17.29	7	21.86	Nov. 13	22.56
28	17.00	Aug. 1	17.74	28	21.88	Dec. 5	22.99
Apr. 4	17.20	15	18.23	Dec. 19	20.98		

e Estimated.

Schoolcraft County

Germfask Township

461720085565201. Local number 45N 13W 16CCCC. U.S. Fish and Wildlife Service. Drilled unused artesian well in limestones of Ordovician age, diam 4 in (10 cm), depth 151 ft (46 m), cased to about 65 ft (20 m). Lsd about 710 ft (216 m) above msl. MP top of casing, 3.60 ft (1.10 m) below lsd. Highest water level 4.64 ft (1.41 m) below lsd, Apr. 13, 1971; lowest 6.50 ft (1.98 m) below lsd, Oct. 23, 1963. Records available: 1952-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	5.39	5.27	5.32	5.41	5.31	5.42	5.43	5.54	...	5.81	5.66	...
10	5.33	5.32	5.29	5.38	5.26	5.40	5.49	5.57	...	5.80	5.66	5.93
15	5.34	5.34	5.30	5.45	5.40	5.44	5.50	5.64	5.87	5.70	5.60	5.62
20	5.32	5.34	5.10	...	5.41	5.45	5.55	5.65	5.90	5.71	5.61	5.61
25	5.27	5.31	5.35	...	5.44	5.44	5.61	5.68	5.85	5.66	5.53	5.60
Eom	5.29	5.34	5.39	...	5.40	5.44	5.61	5.71	5.80	5.67	5.59	5.53

1974												
5	5.53	5.47	5.31	5.27	5.50	...	5.45	5.63	5.65	5.57	5.47	5.42
10	5.53	5.41	5.37	5.31	5.42	5.29	5.50	5.69	5.63	5.58	5.51	5.37
15	5.50	5.47	5.34	5.17	5.43	5.39	5.60	5.69	5.55	5.55	5.41	5.41
20	5.50	5.42	5.38	5.35	5.46	5.42	5.62	5.60	5.51	5.60	5.42	5.37
25	5.46	5.40	5.40	5.44	5.50	5.53	5.65	5.57	5.49	5.57	5.41	5.37
Eom	5.45	5.37	5.37	5.52	5.42	5.52	5.69	5.57	5.54	5.55	5.44	5.41

Washtenaw County

York Township

420901083430401. Local number 4S 6E 10BCCC. Ypsilanti State Hospital. Drilled unused artesian well in gravel of Pleistocene age, diam 6 in (15 cm), depth 173 ft (53 m), cased. Lsd about 794 ft (242 m) above msl. MP top of recorder base, 0.90 ft (0.27 m) above lsd. Highest water level 56.64 ft (17.26 m) below lsd, Oct. 1, 1962; lowest 88.27 ft (26.90 m) below lsd, July 8, 1955. Records available: 1946-74. Measurement discontinued. Water levels affected by nearby pumping. Measurements made by Ypsilanti State Hospital.

420901083430401--Continued.

Date	Water level						
Jan. 11, 1973	73.23	Apr. 19, 1973	71.07	Apr. 19, 1974	64.36	June 13, 1974	62.74
Feb. 28	73.50	Mar. 18, 1974	65.67	May 14	63.23	July 3	62.88
Mar. 15	72.12	Apr. 2	64.94				

Ypsilanti Township

421226083331701. Local number 3S 7E 24CABD. Ypsilanti Township. Drilled unused water-table well in sand of Pleistocene age; diam 4 in (10 cm); depth 80 ft (24 m), previously reported 87 ft (27 m); screened 77-80 ft (23-24 m). Lsd 665.56 ft (202.86 m) above msl. MP top of 4-in (10-cm) coupling, 3.00 ft (0.91 m) above lsd. Highest water level 5.79 ft (1.76 m) below lsd, Jan. 5, 1950; lowest 22.66 ft (6.91 m) below lsd, Feb. 13, 1971. Records available: 1943-45, 1949-74. Water levels affected by nearby pumping.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	16.00	18.70	17.20	17.30	18.56	16.37	15.22	15.33	16.34	18.48	18.91	17.14
10	16.10	18.50	16.95	18.25	18.31	15.95	15.55	15.20	16.16	19.17	18.13	17.03
15	16.34	17.86	16.51	18.67	17.90	15.97	15.40	15.20	16.08	19.61	18.00	17.04
20	16.58	17.65	16.58	18.72	17.30	15.70	15.85	15.23	16.44	19.71	18.64	16.85
25	17.62	17.42	16.20	18.04	17.45	15.55	15.62	15.70	17.25	19.01	18.45	17.05
Eom	18.60	17.32	16.27	18.43	16.61	15.35	15.20	16.90	18.53	19.40	17.77	16.61
1974												
5	17.15	17.66	16.14	16.46	17.36	15.82	15.32	15.58	15.75	15.57	15.27	16.45
10	18.08	18.09	15.43	16.12	17.40	15.44	15.29	15.55	15.60	15.55	15.27	16.40
15	18.70	18.31	15.10	16.93	17.24	15.35	15.37	15.56	15.94	15.52	15.41	16.52
20	18.98	17.44	16.48	17.37	16.82	15.36	15.51	15.81	15.95	15.58	15.80	16.44
25	18.68	18.73	16.44	17.66	17.02	15.32	15.50	16.52	16.59	15.44	16.41	16.34
Eom	18.35	16.55	17.25	17.11	16.35	15.19	15.55	15.93	15.64	15.40	16.46	16.22

Wexford County

City of Cadillac

441503085242201. Local number 21N 9W 4ABBC. City of Cadillac. Drilled unused artesian well in deposits of Pleistocene age; diam 6 in (15 cm), previously reported 8 to 6 in (20 to 15 cm); reported depth 277 ft (84 m); cased. Lsd 1,291.10 ft (393.53 m) above msl. MP top of recorder base, 4.13 ft (1.26 m) above lsd. Highest water level 19.99 ft (6.09 m) below lsd, July 6, 1953; lowest 27.59 ft (8.41 m) below lsd, June 30, 1964. Records available: 1949-74. Water levels affected by nearby pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 11, 1973	22.25	Oct. 10, 1973	22.62	Apr. 11, 1974	23.04	Oct. 4, 1974	21.88
July 11	22.63	Dec. 13	22.85	July 15	22.43	Dec. 5	21.85

References

- Doonan, C. J., and Byerlay, J. R., 1973, Ground water and geology of Baraga County, Michigan: Michigan Geol. Survey Water Inv. 11, 26 p., 2 figs., 2 pls.
 Huffman, G. C., 1973, Summary of ground-water hydrological data in Michigan in 1972: U.S. Geol. Survey open-file rept., 90 p., 39 figs., 2 tables.
 _____, 1974, Ground water data for Michigan, 1973: U.S. Geol. Survey open-file rept., 86 p., 34 figs., 2 tables.
 Twenter, F. R., Knutilla, R. L., and Nowlin, J. O., 1974, Water Resources of Washtenaw County, Michigan: U.S. Geol. Survey open-file rept., 107 p., 34 figs.

NEW HAMPSHIRE

The observation-well program in New Hampshire was continued during 1973 through 1974 in cooperation with the New Hampshire Water Resources Board. The Manchester Water Works maintained the recording gage on well Auburn 8 and made weekly measurements of the water level in that well. Figure 8 shows the location of observation wells included in this report.

Well-Numbering System

The first number shown is the new national well-numbering system represented by the latitude and longitude coordinates of the well location, as explained on page 1. Local well numbers, designated by town or city name and serial numbers assigned within each city or town, have been continued in this report for the convenience of local users and for easy reference to previously published data.

Well Descriptions and Water-Level Measurements

Water levels are reported in feet below land surface datum, unless otherwise indicated.

Hillsboro County

424705071284801. Local number Nashua 101. Pennichuck Water Works. Dug unused water-table well in sand and gravel of Pleistocene age, diam 36 in (91 cm), depth 19 ft (6 m), lined with stone. Lsd about 170 ft (52 m) above msl. MP southeast edge of northwest slab of granite, 0.50 ft (0.15 m) above lsd. Highest water level 3.83 ft (1.17 m) below lsd, Apr. 23, 1969; lowest dry, at times in 1956, 1963-66. Records available: 1955-56, 1958-74.

Date	Water level						
Jan. 26, 1973	9.68	July 26, 1973	10.73	Jan. 28, 1974	6.70	July 29, 1974	12.96
Feb. 26	10.92	Aug. 27	12.33	Feb. 26	7.85	Aug. 26	13.90
Mar. 27	8.17	Sept. 27	12.77	Mar. 27	7.74	Sept. 25	9.83
Apr. 26	9.70	Oct. 29	15.17	Apr. 25	9.74	Oct. 29	11.35
May 26	8.88	Nov. 26	12.84	May 28	9.84	Nov. 25	10.49
June 26	11.49	Dec. 26	7.94	June 26	11.05	Dec. 23	9.52

Merrimack County

431525071345801. Local number Concord 1. U.S. Geol. Survey. Driven observation water-table well in stratified sand, diam 3/4 in (1.9 cm), depth 11 ft (3 m), 2-ft (1-m) well point 9-11 ft (2.7-3.4 m). Lsd about 345 ft (105 m) above msl. MP top of 3/4-in (1.9-cm) steel pipe, 2.80 ft (0.85 m) above lsd. Highest water level 0.09 ft (0.03 m) below lsd, Apr. 4, 1960; lowest 7.32 ft (2.23 m) below lsd, Nov. 1, 1965. Records available: 1955-74.

Date	Water level						
Jan. 26, 1973	1.47	July 27, 1973	3.18	Jan. 28, 1974	0.96	July 29, 1974	4.24
Feb. 27	2.03	Aug. 27	3.97	Feb. 25	1.73	Aug. 26	5.24
Mar. 27	1.95	Sept. 27	4.07	Mar. 26	.60	Sept. 25	4.92
Apr. 26	2.10	Oct. 29	4.67	Apr. 24	1.40	Oct. 29	4.95
May 29	1.00	Nov. 26	4.42	May 28	1.71	Nov. 26	4.07
June 26	2.70	Dec. 26	2.45	June 26	2.70	Dec. 24	3.54

432346071570901. Local number New London 1. W. S. Mariner. Dug unused water-table well in sandy glacial till, diam 36 in (91 cm), depth 21 ft (6 m), lined with fieldstone to 21 ft (6 m). Lsd about 1,020 ft (311 m) above msl. MP cross chiseled on east side of rock casing, at lsd. Highest water level 0.80 ft (0.24 m) below lsd, Apr. 2, 1963; lowest 16.90 ft (5.15 m) below lsd, Dec. 28, 1964. Records available: 1947-74. Two measurements published in WSP 2140 were in error. The correct measurements are: Apr. 1, 1969, 3.62; Feb. 20, 1972, 9.50.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1973	5.35	July 22, 1973	7.98	Jan. 22, 1974	7.15	July 22, 1974	10.46
Feb. 26	7.60	Aug. 20	10.28	Feb. 21	7.12	Aug. 24	12.65
Mar. 22	2.25	Sept. 25	12.52	Mar. 23	6.24	Sept. 26	11.72
Apr. 21	4.20	Oct. 23	13.41	Apr. 22	4.16	Oct. 23	13.01
May 22	3.86	Nov. 24	13.30	May 22	5.46	Nov. 24	13.68
June 21	7.89	Dec. 27	4.67	June 24	8.47	Dec. 23	9.59

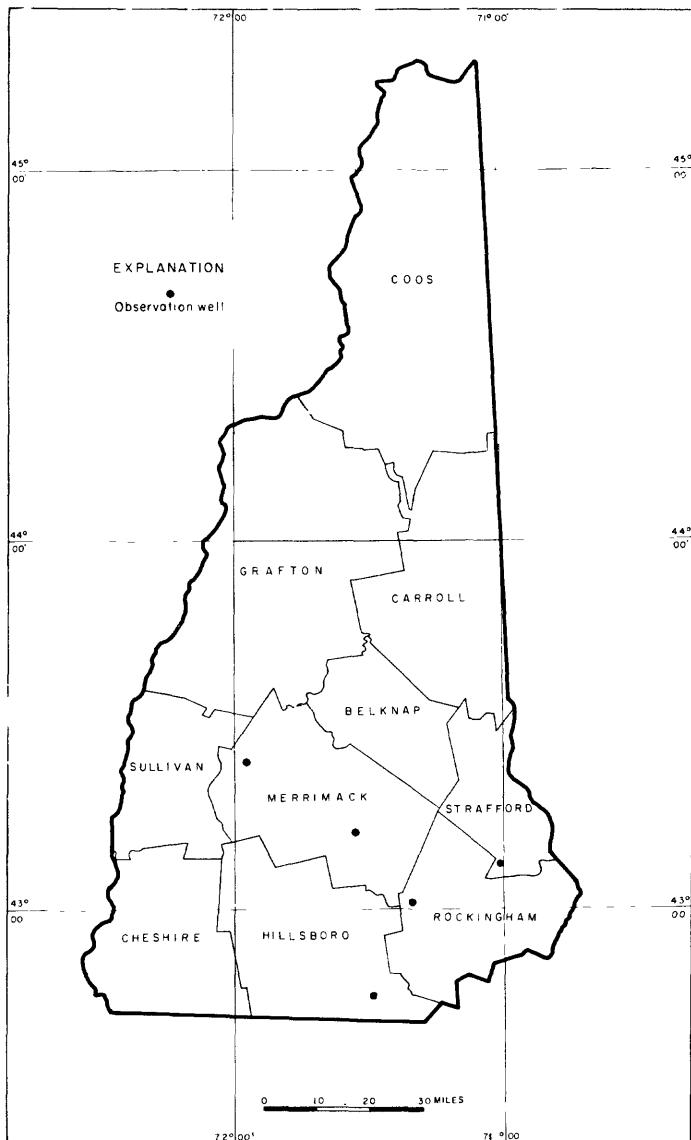


Figure 8.--Location of observation wells in New Hampshire, 1973-74.

GROUND-WATER LEVELS, 1973-74, NORTHEASTERN STATES

Rockingham County

430100071211301. Local number Auburn 8. Manchester Water Works. Dug unused water-table well in sandy till, diam 32 in (81 cm), depth 8 ft (2 m), lined with fieldstone to 8 ft (2 m). Lsd about 300 ft (91 m) above msl. MP edge of steel plate attached to horizontal beam, at lsd. Highest water level 0.45 ft (0.14 m) below lsd, Apr. 2, 1958; lowest dry, several times, 1957, 1964. Records available: 1942-73. Measurement discontinued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1, 1973	1.32	Jan. 29, 1973	1.25	Feb. 26, 1973	1.37	Mar. 19, 1973	1.02
8	1.46	Feb. 5	1.26	Mar. 5	1.26	27	1.13
14	1.51	14	1.27	12	1.17	Apr. 3	.97
22	1.27						

Strafford County

430715071004701. Local number Lee 1. Mrs. Mildred Carlson. About 200 ft (61 m) west of center of town of Lee. Dug unused water-table well in sand and gravel of Pleistocene age, diam 42 in (107 cm), depth 33 ft (10 m), lined with stone. Lsd about 190 ft (58 m) above msl. MP top of stone cover, at lsd. Highest water level 29.34 ft (8.94 m) below lsd, Jan. 31, 1958; lowest 32.35 ft (9.86 m) below lsd, Nov. 1, 27, 1965. Records available: 1953-74. One measurement published in WSP 2140 was in error. The correct measurement for Feb. 18, 1972 is 30.94.

Jan. 22, 1973	30.99	July 24, 1973	30.98	Jan. 25, 1974	31.05	Aug. 25, 1974	31.62
Feb. 22	30.78	Aug. 28	31.26	Feb. 23	30.64	Sept. 26	31.79
Mar. 22	30.04	Sept. 25	31.44	Mar. 23	30.82	Oct. 26	31.48
Apr. 23	30.23	Oct. 24	31.55	Apr. 24	30.43	Nov. 25	31.56
May 26	29.46	Nov. 26	31.41	May 23	30.70	Dec. 26	31.00
June 23	30.71	Dec. 23	30.44	July 26	31.36		

NEW JERSEY

The observation-well program in New Jersey, which was continued during 1973 through 1974, is conducted in cooperation with the State Department of Environmental Protection, Water Resources Division. Figure 9 shows the location of observation wells included in this report.

Well-Numbering System

Wells are numbered according to their latitude-longitude location, as explained on page 1. Local well numbers are also given.

The local well-numbering system is based upon the State topographic atlas sheets. The first segment of the number is that of the atlas sheet on which the well location may be found. The second refers to the 6-minute rectangle in which the well is situated. The third refers to the 2-minute rectangle into which the 6-minute rectangle is subdivided. Each of the 2-minute rectangles is divided into nine equal rectangles which are numbered 1 to 9, beginning in the upper left corner and numbering to the right. These divisions are again divided into nine equal rectangles and numbered in the same way.

Well Descriptions and Water-Level Measurements

Beginning in 1974, water levels are reported in feet referred to land-surface datum; in previous 5-year water-supply papers, water levels were referred to mean sea level. Water-level measurements are below land-surface datum, unless otherwise indicated.

Atlantic County

392754074270101. Local number 36.4.2.2.1. U.S. Geol. Survey, Oceanville. Drilled observation artesian well in Kirkwood Formation of Miocene age; diam 8 in (20 cm), depth 570 ft (174 m) screened 560-570 ft (171-174 m), cased with steel. Lsd 27.25 ft (8.31 m) above msl. MP top of casing, 2.10 ft (0.64 m) above lsd. Highest water level 33.62 ft (10.25 m) below lsd, Apr. 13, 1961; lowest 61.69 ft (18.80 m) below lsd, Oct. 6-9, 1974. Records available: 1959-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	55.80	54.75	54.65	54.50	55.35	57.50	60.15	61.45	61.35	59.80
10	55.75	54.75	54.60	54.70	55.70	57.95	60.65	61.50	61.30	59.35
15	55.50	55.00	54.70	54.85	55.95	58.35	60.70	61.28	60.90	59.25
20	55.45	54.45	54.25	55.00	56.20	58.80	61.15	61.31	60.63	59.00
25	55.15	54.75	54.10	55.15	56.70	59.25	61.35	60.95	60.05	58.90
Eom	56.60	55.90	55.05	54.70	54.35	55.20	57.05	59.70	61.40	61.15	60.15	58.55

1974

5	58.35	.....	.....	55.65	.....	55.50	56.60	.....	.....	.....	.....	.....
10	57.95	.....	.....	55.85	.....	55.15	.....	.....	.....	.....	.....	56.19
15	57.95	.....	56.35	55.60	55.30	.....	.....	.....	.....	.....	.....	55.97
20	58.05	.....	56.15	55.40	55.65	.....	.....	.....	.....	.....	.....	55.54
25	58.25	.....	58.05	.....	55.70	.....	.....	.....	.....	.....	.....	55.41
Eom	58.45	.....	55.60	.....	55.55	56.30	.....	.....	.....	.....	.....	55.06

392436074303501. Local number 36.13.2.9.1 (A.C. 600-ft). Atlantic City Water Dept. Pumping station between Absecon and Pleasantville. Drilled unused artesian well in 800-ft (244-m) sand in Kirkwood Formation of Miocene age; diam 8 to 6 in (20 to 15 cm); depth 692 ft (211 m); 8-in (20-cm) steel casing 0-405 ft (0-123 m), 6-in (15-cm) steel casing 405-692 ft (123-211 m). Lsd 11.78 ft (3.59 m) above msl. MP top of casing, 0.80 ft (0.24 m) above lsd. Highest water level 14.83 ft (4.52 m) below lsd, May 28, 1925; lowest 61.88 ft (18.86 m) below lsd, Oct. 10, 1970. Records available: 1925-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	52.43	.....	.....	.....	.....	60.32	59.90	58.55
10	60.31	59.40	.....
15	53.72	.....	.....	.....	.....	.....	.....	60.25	59.11	.....
20	54.15	.....	.....	.....	60.30	59.00	.....
25	59.37	59.03	.....
Eom	55.03	.....	.....	.....	.....	.....	.....	.....	.....	58.42	58.85	.....

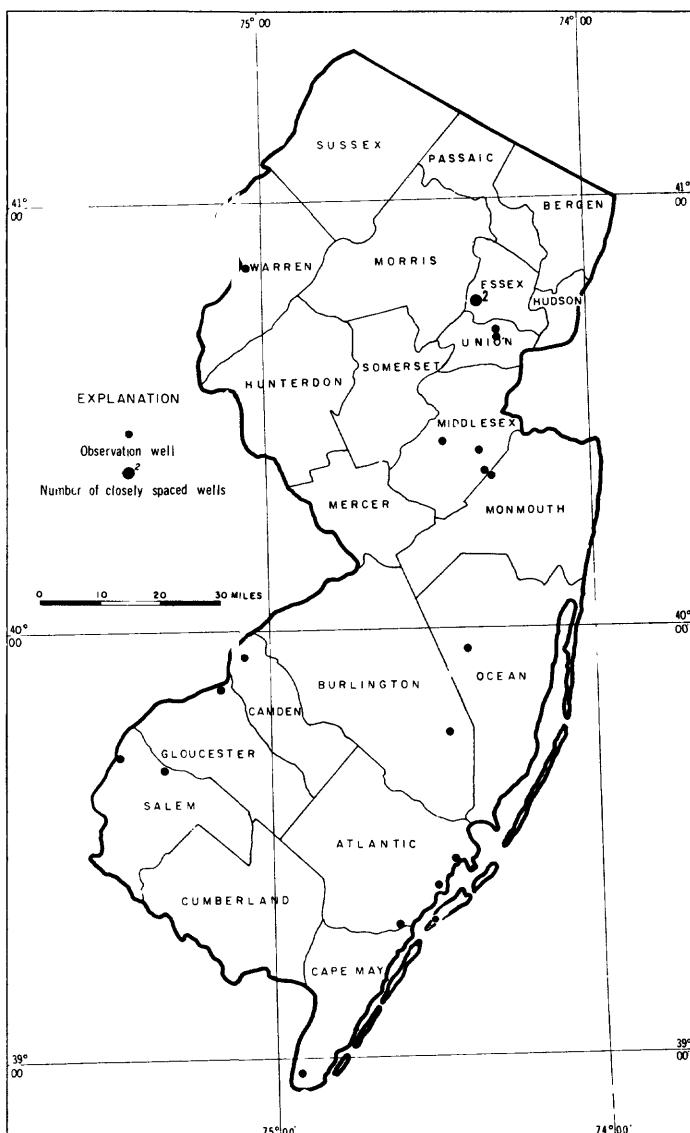


Figure 9.--Location of observation wells in New Jersey, 1973-74.

392436074303501--Continued.

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
15	.....	.....	51.47	53.45	.....	.....	.....	.....	.....	.....	.....	.....
20	59.17	.....	54.41	53.60	.....	.....	.....	.....	.....	.....	.....	.....
25	58.97	.....	54.39	53.42	.....	.....	.....	59.01	.....	.....	.....	.....
Eom	.....	.....	.....	53.39	.....	.....	.....	.....	.....	.....	.....	.....

391827074371001. Local number 36.22.2.8.1. U.S. Geol. Survey. Drilled observation artesian well in Kirkwood Formation of Miocene age, diam 8 in (20 cm), depth 680 ft (207 m), screened 670-680 ft (204-207 m), cased with steel. Lsd 10.0 ft (3.1 m) above msl. MP top of casing, 9.00 ft (2.74 m) above lsd. Highest water level 29.10 ft (8.87 m) below lsd, Apr. 13, 1961; lowest 71.01 ft (21.64 m) below lsd, Aug. 31, 1974. Records available: 1959-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	53.77	52.36	51.47	50.33	.....	.....	.....	.....	.....	.....	.....	.....
10	53.64	51.74	51.21	50.23	.....	.....	.....	.....	.....	.....	.....	.....
15	53.31	51.34	50.50	50.52	.....	.....	.....	.....	.....	.....	.....	.....
20	53.19	51.56	50.70	50.22	.....	.....	.....	.....	.....	.....	.....	.....
25	52.72	51.55	50.35	50.43	.....	.....	.....	.....	.....	.....	.....	.....
Eom	52.58	51.27	50.23	50.71	.....	.....	.....	.....	.....	.....	.....	.....

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	70.59	65.28	.....	.....
10	52.67	.....	.....	.....	.....	.....	68.85	64.28	.....	.....
15	52.18	.....	59.96	.....	.....	.....	67.82	63.93	.....	.....
20	67.21	62.89	.....	.....
25	70.70	66.16	62.25	.....	.....
Eom	71.01	66.20	61.93	.....	.....

391821074320701. Local number 36.23.1.9.6. Borough of Longport. Northwest end of 14th Ave. Drilled unused artesian well in 800-ft (244-m) sand in Kirkwood Formation of Miocene age, diam 6 in (15 cm), depth 803 ft (245 m), cased with steel, length of screen 50 ft (15 m). Lsd 5 ft (2 m) above msl. MP top of casing, 4.07 ft (1.24 m) above lsd. Highest water level 14.0 ft (4.3 m) above lsd, when drilled, 1895; lowest 112.75 ft (34.37 m) below lsd, Sept. 3, 4, 1973. Records available: 1924-74. Affected by tidal fluctuations.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	66.50	66.90	71.10	80.15	93.15	103.40	88.30	81.60	74.90
10	66.75	67.25	76.10	82.50	94.75	100.50	88.25	80.10	73.10	.....
15	67.00	67.25	67.80	77.75	83.50	94.95	97.75	88.00	78.50	73.10
20	67.50	67.30	68.25	77.05	85.40	95.00	93.25	85.75	77.00	73.80
25	66.40	67.75	67.90	76.40	87.70	96.80	92.90	85.15	76.10	73.80
Eom	66.35	67.35	70.70	77.30	91.60	102.00	90.45	82.30	75.25	72.00

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	71.40	69.50	.....	66.70	71.90	74.35	87.45	97.75	95.00	85.10	78.20	73.20
10	71.25	.....	.....	68.05	71.95	76.70	90.50	94.20	89.80	84.20	77.10	72.50
15	71.25	.....	.....	68.65	71.30	79.55	92.95	96.00	89.80	83.20	76.80	71.50
20	70.70	.....	67.60	69.50	72.60	82.35	94.50	97.10	89.40	81.40	75.40	.....
25	70.50	.....	68.30	68.90	73.35	82.05	94.50	96.80	86.75	80.80	74.95	.....
Eom	69.95	.....	68.20	71.10	74.50	81.80	98.30	98.10	86.40	79.45	74.80	.....

Burlington County

394452074281901. Local number 32.23.6.6.8. U.S. Geol. Survey. Penn State Forest. Drilled observation water-table well in Cohansey Sand of Miocene(?) age, diam 6 in (15 cm), depth 10 ft (3 m), cased with steel. Lsd 79 ft (24 m) above msl. MP edge of 6-in (15-cm) coupling, 2.48 ft (0.76 m) above lsd. Highest water level 0.11 ft (0.03 m) above lsd (flowing), several times, 1959-62; lowest 5.92 ft (1.80 m) below lsd, Dec. 11, 1965. Records available: 1936-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	0.93	1.07	0.76	1.20	1.34	1.77	2.98	3.39	3.89	3.29	3.68
1090	1.15	.76	.97	1.68	2.20	3.34	3.74	4.07	3.22	3.13
15	1.05	1.31	1.12	1.31	1.96	2.39	3.49	3.82	4.20	3.29	2.69
20	1.15	1.35	1.27	1.36	1.66	2.53	3.26	3.23	4.33	3.48	2.56
25	1.24	1.44	1.33	1.20	1.52	2.76	3.51	3.52	4.44	3.56	1.92
Eom	0.99	1.22	1.21	1.09	1.30	1.78	3.07	3.81	3.72	3.25	3.61	2.00

394452074281901--Continued.

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	2.33	2.20	2.33	.....	.....
10	2.13	2.17	2.37	2.36	.....
15	2.62	2.59	2.50	2.22	.....
20	2.41	2.88	1.78	2.34	.....
25	2.78	2.83	2.00	2.37	.....
Eom	2.93	....	2.21	....	.....

Camden County

395811075054901. Local number 31.1.3.9.9. Cities Service Oil Co. Petty's Island. Drilled unused artesian well in sand of Raritan Formation of Late Cretaceous age, diam 8 in (20 cm), depth 143 ft (44 m), cased with steel. Lsd 12 ft (4 m) above ms1. MP top of casing, 0.35 ft (0.11 m) above lsd. Highest water level 6.4 ft (2.0 m) below lsd, Dec. 8, 1950, Mar. 11, 1952; lowest 16.8 ft (5.1 m) below lsd, Feb. 12, 1951. Records available: 1949-1974. Reflects tidal fluctuations.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	12.85	11.87	12.14	11.21	12.12	11.64	10.81	11.83	11.89	11.61	12.71	11.88
10	13.70	12.18	12.15	10.63	11.40	.....	11.40	11.85	12.12	11.79	12.98	11.56
15	13.56	11.48	11.72	11.89	11.59	11.89	11.73	11.63	11.85	12.03	12.18	11.87
20	13.36	12.24	12.49	12.19	11.09	11.76	11.63	11.53	11.70	11.95	12.47	12.45
25	12.32	12.62	11.39	11.68	10.89	11.62	11.87	11.90	11.69	11.99	11.79	11.97
Eom	12.67	11.78	11.63	11.72	11.40	10.34	11.69	12.00	11.75	11.26	12.64	11.78

1974

5	11.86	12.44	12.63	11.74	12.46	.....	.....	12.13	.....	.....	.....	.....
10	12.03	11.99	12.57	12.09	11.90	.....	.....	12.30	.....	.....	.....	.....
15	11.81	12.28	12.68	11.63	11.92	.....	.....	12.36	.....	.....	.....	.....
20	12.08	12.12	12.34	12.18	12.08	.....	.....	12.22	.....	.....	12.30	.....
25	11.90	12.50	12.83	12.11	12.11	11.50	.....	12.40	11.89	.....	12.34	.....
Eom	11.82	12.30	11.17	12.17	11.86	11.58	.....	12.13	.....	12.53	12.59	.....

Cape May County

385804074574201. Local number 37.1.8.7.8. U.S. Geol. Survey (Well 3). Higbee Beach. Drilled observation artesian well in Cohansey Sand of Miocene(?) and Pliocene(?) age; 6-in (15-cm) diam 0-52 ft (0-16 m), 2-in (5.1-cm) diam 52-250 ft (16-76 m); depth 250 ft (76 m); cased with steel; screened 241-250 ft (73-76 m). Lsd 6 ft (2 m) above ms1. MP recorder shelf, 2.84 ft (0.87 m) above lsd. Highest water level 13.16 ft (4.01 m) below lsd, Dec. 21, 1965; lowest 35.63 ft (10.86 m) below lsd, Aug. 20, 1974. Records available: 1965-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	19.84	23.20	27.84	29.44	22.22	23.50	20.50
10	20.66	25.30	29.49	28.70	21.83	22.93	20.69
15	21.31	25.33	29.56	27.02	21.41	22.21	20.66
20	18.93	.....	.....	18.45	21.38	25.57	28.67	25.36	.....	21.68	19.56
25	18.69	.....	.....	19.46	21.88	26.23	28.46	24.35	.....	21.12	19.69
Eom	18.16	.....	.....	19.46	22.90	28.11	29.59	23.41	22.49	21.23	20.03

1974

5	20.10	.....	.....	19.27	20.58	24.32	28.08	33.94	32.55	24.74	20.32	18.09
10	19.37	.....	.....	18.90	20.14	24.71	30.05	33.04	30.29	23.04	19.11	18.13
15	.....	19.16	19.66	20.55	25.66	31.25	33.63	29.71	22.50	19.23	17.40	.....
20	20.02	.....	19.31	19.12	21.62	27.16	32.29	35.63	29.29	21.10	18.44	17.43
25	21.10	.....	19.63	19.43	23.40	26.40	32.46	.....	28.03	20.37	18.45	17.32
Eom	21.61	.....	19.09	20.18	24.03	26.18	34.22	33.29	27.23	20.63	18.63	18.17

Essex County

404452074211601. Local number 25.15.7.5.4. (Well 30). Commonwealth Water Co. About 0.3 mi (0.5 km) north of Canoe Brook pumping station, near Chatham. Drilled unused artesian well in Wisconsin drift, diam 10 in (25 cm), depth about 130 ft (40 m), cased with steel. Lsd 170.0 ft (51.8 m) above ms1. MP top of casing, 4.55 ft (1.39 m) above lsd. Highest water level 7.2 ft (2.2 m) below lsd, Aug. 25, 1931; lowest 85.0 ft (25.9 m) below lsd, Aug. 25, 1971. Records available: 1925-74. No measurement made in 1973. Water levels affected by nearby pumping.

404452074211601--Continued.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	79.69	82.11	.....
10	73.62	.....	.....	.....	.....	.....	80.00	.....	.....
15	73.06	.....	.....	.....	.....	.....	80.89	.....	.....
20	72.87	.....	.....	.....	.....	.....	81.51	.....	.....
25	81.45	.....	.....
Eom	81.99	.....	.....

404454074202101. Local number 25.15.7.5.9. East Orange Water Dept. North side Canoe Brook below Parsonage Hill Rd. Drilled unused artesian well in Wisconsin drift, diam 6 in (15 cm), depth about 64 ft (20 m), cased with steel. Lsd 182 ft (55 m) above msl. MP top of casing, 0.87 ft (0.27 m) above lsd. Highest water level 7.20 ft (2.19 m) below lsd, Oct. 25, 1927; lowest 65.75 ft (20.04 m) below lsd, Apr. 10, 1967. Records available: 1925-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	43.42	42.19	49.34	52.82	48.09	51.29	.....	.....	.....	52.18	54.23
10	.....	42.37	45.84	49.24	53.03	49.44	52.62	.....	.....	.....	51.43	54.30
15	.....	42.07	47.68	49.80	53.49	48.64	52.06	.....	.....	.....	52.29	53.21
20	42.23	42.39	47.80	52.26	53.67	48.39	52.67	.....	.....	.....	52.99	54.32
25	43.42	41.67	48.45	52.60	49.24	46.27	52.67	.....	.....	.....	53.64	52.89
Eom	43.42	42.42	48.72	52.90	48.87	49.02	53.38	.....	.....	.....	53.70	52.84

1974

5	52.00	47.65	48.52	49.28	45.82	51.15	53.75	54.79	55.11	53.44	52.06	54.49
10	52.41	46.87	48.88	46.55	49.02	52.71	53.99	54.97	54.97	53.74	53.97	54.37
15	52.02	50.36	49.12	46.46	49.17	53.74	54.54	55.03	55.00	52.90	54.30	54.72
20	50.91	48.05	49.27	49.28	52.20	53.43	54.94	55.24	54.60	51.92	54.44	54.61
25	49.53	48.35	48.74	48.30	51.95	53.11	55.10	54.79	53.38	52.99	54.38	54.74
Eom	48.74	48.08	47.75	48.32	52.40	53.30	54.54	55.05	52.96	52.83	54.76	54.60

Gloucester County

395232075094201. Local number 31.11.2.7.2. (Well 3). The Texas Co. Eagle Point, Westville. Drilled observation artesian well in Raritan and Magoty Formations of Late Cretaceous age; diam 8 to 6 in (20 to 15 cm); depth 298 ft (91 m); 8-in (20-cm) steel casing 0-86 ft (0-26 m), 6-in (15-cm) steel casing 86-245 ft (26-75 m); screened 225-245 ft (69-75 m); open hole 245-298 ft (75-91 m). Lsd 22 ft (7 m) above msl. MP top of casing, 1.96 ft (0.60 m) above lsd. Highest water level 37.7 ft (11.5 m) below lsd, Nov. 25, 1950; lowest 87.30 ft (26.61 m) below lsd, June 28, 1963. Records available: 1949-74.

Lowest Water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	66.27	67.33	66.73	65.67	65.78	66.20	71.15	75.05	.....	63.70	68.08	66.26
10	67.36	66.31	67.45	65.87	67.08	71.94	75.50	78.88	.....	61.32	70.57	66.23
15	68.06	64.83	70.71	66.01	68.48	71.04	70.71	75.26	.....	62.27	69.78	66.71
20	66.80	65.06	65.72	67.76	64.51	.....	71.81	76.89	.....	65.55	68.20	67.59
25	65.37	64.43	66.45	67.12	63.38	68.06	73.47	74.03	.....	68.48	68.83	68.95
Eom	64.52	65.25	64.05	65.83	65.70	69.84	79.01	.....	.....	67.89	67.29	67.68

1974

5	67.90	67.82	....	....	....	76.53	72.23	73.71	....	61.12	....	69.49
10	68.58	67.87	69.39	....	....	75.80	74.03	71.08	....	62.61	....	68.02
15	67.98	69.84	69.84	....	70.53	76.11	73.81	76.16	....	65.22	....	70.25
20	67.51	70.67	70.44	....	74.69	78.57	75.19	....	....	69.29	....	70.80
25	68.02	....	70.68	....	72.23	73.54	73.73	....	....	69.90	....	71.19
Eom	68.21	....	70.38	....	72.31	69.97	73.12	....	....	67.24	....	....

Middlesex County

402553074271701. Local number 28.4.4.2.1. Robert D. Fisher. Hoeys Corner Rd. Dug observation water-table well in Farrington Sand Member of Raritan Formation of Late Cretaceous age, diam $4\frac{1}{2}$ ft (1.37 m), depth 21 ft (6 m), cased with concrete well blocks. Lsd 73 ft (22 m) above msl. MP angle iron at bottom of doors of shelter, 1.70 ft (0.52 m) above lsd. Highest water level 8.88 ft (2.71 m) below lsd, Apr. 26, 27, 1939; lowest dry, many times, 1963-65. Records available: 1936-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	13.19	12.18	12.14	12.01	11.58	11.82	11.47	12.21	13.34	14.30	.....	.....
10	13.20	11.98	12.21	11.84	11.46	11.89	11.51	12.39	13.52	14.45	.....	.....
15	13.23	11.91	12.31	11.76	11.64	12.01	11.52	12.58	13.45	14.60	.....	.....
20	13.27	11.89	12.38	11.71	11.66	12.13	11.68	12.72	13.79	14.75	.....	.....
25	13.37	12.01	12.47	11.69	11.73	11.80	11.81	12.92	14.00	14.88	.....	.....
Eom	13.07	12.05	12.50	11.63	11.76	11.61	12.04	13.16	14.13	14.60	.....	.....

402553074271701--Continued.

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	14.01	13.64	13.86	13.42	13.04	13.32	14.01	14.91	15.50	16.08	16.51	16.82
10	13.92	13.64	13.93	13.18	13.09	13.40	14.14	15.02	15.62	16.16	16.60	16.77
15	13.84	13.71	13.98	13.01	13.04	13.52	14.29	15.18	15.74	16.24	16.65	16.81
20	13.82	13.75	13.99	12.95	13.13	13.64	14.45	15.30	15.84	16.27	16.71	16.53
25	13.73	13.82	13.75	12.99	13.15	13.75	14.58	15.43	15.92	16.36	16.78	16.40
Eom	13.66	13.82	13.54	12.95	13.24	13.87	14.77	15.46	15.97	16.45	16.87	16.32

#02439074212401. Local number 28.5.4.8.1. (Well 1). Duernal Water System. About $\frac{1}{4}$ mi (0.40 km) east of traffic circle on Rte. 18 near Old Bridge. Drilled observation water-table well in Old Bridge Sand Member of Magothay Formation of Late Cretaceous age, diam 6 in (15 cm), depth 67 ft (20 m), cased with steel. Lsd 18.7 ft (5.7 m) above msl. MP top of casing, 15.50 ft (0.46 m) above lsd. Highest water level 11.03 ft (3.36 m) below lsd, July 31, 1945; lowest 16.35 ft (4.98 m) below lsd, Sept. 11, 1954. Records available: 1938-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	12.40	12.75	12.55	12.40	12.25	12.70	11.95	12.75	13.50	13.95	13.95	14.35
10	12.60	11.95	12.60	12.15	12.35	12.85	11.95	12.95	13.65	14.05	14.05	14.15
15	12.75	12.00	12.70	12.15	12.45	13.00	12.10	13.10	13.70	14.10	14.05	14.00
20	12.75	12.15	12.80	12.25	12.55	13.20	12.30	13.10	13.70	14.15	14.20	14.00
25	12.84	12.35	12.70	12.35	12.60	12.70	12.50	13.20	13.80	14.25	14.20	13.15
Eom	13.30	12.45	12.75	12.20	12.65	12.40	12.65	13.40	13.85	13.80	14.25	12.95

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	12.95	13.10	13.50	12.90	12.95	13.30	13.70	14.25	14.25	14.45	14.60	14.40
10	12.90	13.00	13.45	12.75	12.95	13.35	13.80	14.35	14.15	14.55	14.55	14.35
15	12.95	13.20	13.55	12.70	13.05	13.50	13.90	14.40	14.15	14.55	14.50	14.30
20	13.05	13.25	13.65	12.70	13.05	13.55	14.05	14.40	14.10	14.40	14.65	14.10
25	12.95	13.35	13.40	12.70	13.10	13.50	14.05	14.45	14.25	14.60	14.70	14.00
Eom	13.05	13.45	13.05	12.85	13.20	13.60	14.15	14.50	14.35	14.60	14.75	13.95

#02143074185201. Local number 29.11.1.2.3. Joseph Moerl. Near Moerl's Corner. Dug observation water-table well in Englishtown Formation of Late Cretaceous age, diam 17 in (43 cm), depth 11 ft (3 m), cased with pre-cast concrete rings. Lsd 76 ft (23 m) above msl. MP inner edge of concrete ring, 0.95 ft (0.29 m) above lsd. Highest water level 0.42 ft (0.13 m) below lsd, Mar. 7, 1967; lowest 9.56 ft (2.91 m) below lsd, Oct. 6, 1957. Records available: 1923-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	1.35	1.40	1.25	1.45	1.80	1.29	....	....	....	....	1.74
10	....	1.35	1.45	1.25	1.30	2.40	1.70	....	....	....	2.07	1.96
15	....	1.40	1.50	1.45	1.55	2.50	1.65	....	....	....	2.03	1.69
20	....	1.50	1.45	1.55	1.65	1.75	2.0	....	....	....	1.96	1.45
25	1.45	1.50	1.50	1.50	1.40	1.50	2.15	....	....	....	1.89	....
Eom	1.30	1.55	1.40	1.35	1.65	1.60	2.95	....	....	....	1.91	....

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	1.70	1.43	....	....	....	....	....	....	....	....
10	1.64	....	1.47	1.36	....	....	....	....	....	....	....	....
15	1.78	1.53	....	....	....	....	....	....	....	....
20	1.66	1.78	....	....	....	....	....	....	....	....
25	1.72	1.88	....	....	....	....	....	....	....	....
Eom	1.65	1.26	....	....	....	....	....	....	....	....	....

Monmouth County

#0212207#184601. Local number 29.11.1.2.9. Walter Novak, Hillsboro Rd., about $\frac{1}{4}$ mi (0.80 km) southeast of Moerl's Corner. Dug observation water-table well in Englishtown Formation of Late Cretaceous age, diam $4\frac{1}{4}$ ft (1.37 m), depth 19 ft (6 m), cased with concrete well blocks. Lsd 110 ft (33.5 m) above msl. MP inner edge of door frame, 1.86 ft (0.57 m) above lsd. Highest water level 9.4 ft (2.9 m) below lsd, July 20, 1972; lowest 15.02 ft (4.58 m) below lsd, Jan. 1-3, 22, 1966. Records available: 1936-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	10.15	10.05	10.55	10.50	10.20	10.70	9.45	10.75	....	12.50	12.45	13.05
10	10.35	9.95	10.65	10.20	10.25	10.80	9.60	11.00	....	12.60	12.65	13.00
15	10.55	10.05	10.70	10.15	10.25	10.95	9.85	11.15	12.00	12.70	12.85	12.90
20	10.65	10.25	10.80	10.25	10.35	11.00	10.10	11.25	12.10	12.85	13.00	12.90
25	10.75	10.35	10.90	10.35	10.45	10.75	10.30	....	12.25	12.95	13.10	11.85
Eom	10.60	10.45	10.90	10.20	10.55	10.70	10.55	....	12.40	12.25	13.15	11.90

402122074184601--Continued.

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	11.85	11.85	12.15	11.50	11.60	12.05	12.35	12.99	12.91	13.23	13.47	.....
10	11.85	11.95	12.20	11.40	11.65	12.20	12.45	13.08	12.70	13.32	13.53	.....
15	11.80	12.05	12.20	11.20	11.65	12.30	12.55	13.16	12.73	13.40	.....	.....
20	11.85	12.10	12.15	11.25	11.80	12.15	12.65	13.25	12.93	13.25	.....	.....
25	11.80	12.10	11.85	11.35	11.90	12.25	12.75	13.32	.....	13.34	.....	.....
Eom	11.75	12.15	11.65	11.45	12.00	12.25	12.90	13.29	.....	13.42	.....	.....

Ocean County

395714074223401. Local number 32.4.6.6.1. Mrs. William Crammer, Whiting. Dug unused water-table well in Cohansay Sand of Miocene(?) and Pliocene(?) age, diam 8 in (20 cm), depth 69 ft (21 m), slotted steel casing, gravel-packed. Lsd 179.00 ft (54.56 m) above msl. MP top of casing, 0.95 ft (0.29 m) above lsd. Highest water level 47.78 ft (14.56 m) below lsd, June 20, 1973; lowest dry, November 1957 to February 1958, December 1965. Records available: 1952-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	50.29	49.43	48.69	48.56	48.13	47.94	47.85	48.17	48.75	49.50	50.65	51.31
10	50.10	49.36	48.59	48.61	48.04	47.82	47.89	48.25	48.86	49.63	50.76	51.42
15	49.86	49.27	48.50	48.62	48.00	47.83	47.92	48.32	48.97	49.76	50.87	51.52
20	49.67	49.15	48.49	48.51	47.93	47.78	47.99	48.42	49.11	49.89	50.98	.....
25	49.55	48.94	48.55	48.35	47.89	47.81	48.04	48.52	49.25	50.04	51.08	.....
Eom	49.52	48.85	48.58	48.24	47.91	47.83	48.10	48.65	49.37	50.13	51.20	.....

1974

5	.....	.....	.....	.....	.....	51.20	51.53	52.06	52.49	52.72	52.92	53.26
10	.....	.....	.....	.....	.....	51.22	51.60	52.14	52.54	52.75	52.98	53.31
15	.....	.....	.....	.....	.....	51.27	51.67	52.22	52.58	52.78	53.06	53.37
20	.....	.....	.....	.....	.....	51.32	51.77	52.29	52.61	52.80	53.12	53.41
25	.....	.....	.....	.....	.....	51.38	51.87	52.37	52.65	52.84	53.14	53.42
Eom	.....	.....	.....	.....	.....	51.46	51.96	52.43	52.69	52.90	53.20	53.37

Salem County

394236075272101. Local number 30.22.9.7.3. (Penns Grove 24). State of New Jersey. About 1 mi (2 km) east of Carnegy Point. Drilled observation water-table well in sands of Raritan and Magothy Formations of Late Cretaceous age, diam 6 in (15 cm), depth 51 ft (16 m), cased with steel, 54-in (14-cm) screen 46-51 ft (14-16 m). Lsd 18 ft (5 m) above msl. MP top of casing, 1.84 ft (0.56 m) above lsd. Highest water level 10.17 ft (3.10 m) below lsd, June 14, 1947; lowest 26.56 ft (8.10 m) below lsd, Mar. 5, 1969. Records available: 1941-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	18.12	17.59	17.16	.....	.....	.....	.....	.....	.....	21.20	21.77	.....
10	17.98	16.67	.....	.....	.....	.....	.....	.....	.....	21.33	21.90	.....
15	17.92	16.29	.....	.....	.....	.....	.....	.....	.....	21.39	.....	.....
20	17.97	16.42	.....	.....	.....	.....	.....	.....	.....	21.51	.....	.....
25	18.28	16.60	.....	.....	.....	.....	.....	.....	.....	21.58	.....	.....
Eom	18.43	16.77	.....	.....	.....	.....	.....	.....	.....	21.67	.....	.....

1974

5	23.55	23.31	23.06	22.66	20.07	20.78	21.61	22.47	23.11	23.11	23.78	.....
10	23.58	23.25	23.12	22.39	20.13	20.74	21.73	22.62	23.13	23.23	23.89	.....
15	23.53	23.22	23.07	21.76	20.24	20.90	21.86	22.74	23.14	23.36	23.98	.....
20	23.51	23.21	23.04	21.09	20.44	21.09	22.05	22.87	23.08	23.48	24.04	.....
25	23.42	23.13	23.01	20.57	20.57	21.30	22.21	22.93	23.02	23.56	24.15	24.44
Eom	23.33	23.12	22.80	20.19	20.74	21.44	22.35	23.02	22.99	23.68	24.24	24.36

394037075191501. Local number 30.34.1.5.7. U.S. Geol. Survey. Point Airy. Drilled observation artesian well in Raritan Formation of Late Cretaceous age; 6-in (15-cm) diam 0-550 ft (0-168 m), 3-in (7.6-cm) diam 550-664 ft (168-202 m); depth 672 ft (205 m); cased with steel; 4-in (10-cm) 20-slat screen 664-872 ft (202-205 m), 2-7/8-in (7.3-cm) wood plug at 523 ft (159 m). Lsd 73.0 ft (22.3 m) above msl. MP top of casing, 1.77 ft (0.54 m) above lsd. Highest water level 78.58 ft (23.95 m) below lsd, Mar. 6, 1959; lowest 95.33 ft (29.06 m) below lsd, Oct. 11, 12, 1974. Records available: 1959-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	91.16	91.02	.....	90.29	.....	.....	91.58	92.54	93.04	93.12	93.09	.....
10	91.20	.....	.....	90.35	.....	.....	91.70	92.65	93.08	93.14	93.06	.....
15	91.14	.....	.....	90.55	.....	.....	91.87	92.73	93.06	93.10	93.04	.....
20	91.08	.....	90.45	90.56	.....	90.91	91.95	92.61	93.09	.....	93.07	.....
25	91.07	.....	90.56	90.20	.....	91.08	92.13	92.99	93.13	93.14	93.08	.....
Eom	91.20	.....	90.50	90.37	.....	91.35	92.54	93.03	93.00	93.09	92.73	.....

394037075191501--Continued.

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	92.70	92.67	92.64	.....	92.83	.....	.....	.....	95.18	95.00	94.88
10	92.76	92.62	.....	.....	92.90	.....	.....	.....	95.24	95.02	94.71
15	92.62	92.70	.....	.....	93.14	.....	.....	.....	95.05	95.04	94.78
20	92.69	92.65	.....	.....	93.14	.....	.....	.....	95.24	94.77	94.64
25	92.70	92.61	.....	.....	93.14	.....	.....	.....	95.07	94.83	94.63
Eom	92.59	92.70	.....	.....	93.16	.....	.....	.....	95.11	95.00	94.70

Union County

404106074171901. Local number 26.21.5.4.6. Union County Park Commission. Galloping Hill Golf Course near Kenilworth. Drilled unused artesian well in Brunswick Shale of Late Triassic age, diam 6 in (15 cm), depth 290 ft (88 m), cased with steel. Lsd 69.00 ft (21.03 m) above msl. MP top of casing, 1.65 ft (0.50 m) above lsd. Highest water level 3.06 ft (0.93 m) below lsd, June 2, 1952; lowest 16.05 ft (4.89 m) below lsd, June 29, 1966. Records available: 1943-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	6.91	5.97	6.99	6.34	6.92	7.30	.....	.....	9.82	10.52	.....	.....
10	7.82	6.79	7.21	6.24	7.12	8.14	.....	.....	10.00	10.64	.....	.....
15	7.59	6.75	7.25	6.42	7.23	8.49	.....	.....	10.24	.....	.....	.....
20	7.61	6.42	7.14	6.78	7.34	7.83	.....	.....	9.70	.....	.....	.....
25	7.65	7.27	7.23	6.80	7.47	7.69	.....	.....	9.05	9.70	.....	.....
Eom	7.67	7.11	7.23	6.70	7.15	.....	.....	.....	9.31	10.24	.....	.....
1974												
5	6.61	7.04	7.32	6.87	.....	8.05	7.67	7.92	8.02	8.70	.....	.....
10	6.97	7.17	7.31	6.51	.....	7.80	8.33	8.27	7.42	8.83	.....	.....
15	6.70	7.44	7.67	5.90	.....	8.51	8.38	9.13	7.61	8.21	.....	.....
20	7.05	7.18	7.55	.....	.....	8.36	8.58	7.82	7.96	7.94	.....	.....
25	7.05	7.01	6.93	.....	.....	7.71	8.52	7.86	8.56	8.24	.....	.....
Eom	7.00	7.42	6.87	.....	.....	7.70	8.42	7.80	7.51	8.23	.....	.....

404027074164401. Local number 26.21.5.8.3. (Well 3). White Laboratories, Inc. Kenilworth. Drilled observation artesian well in Brunswick Shale of Late Triassic age, diam 6 in (15 cm), depth 400 ft (122 m), cased with steel. Lsd 400.00 ft (24.69 m) above msl. MP top of casing, 3.31 ft (1.01 m) above lsd. Highest water level 6.31 ft (1.92 m) below lsd, Apr. 17, 1961; lowest 41.90 ft (12.77 m) below lsd, Mar. 7, 1952. Records available: 1952-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	22.95	22.19	22.28	22.81	.....	24.30	22.49	23.00	25.77	25.96	.....	.....
10	23.00	22.55	23.70	23.20	.....	23.12	24.62	25.33	25.15	25.95	.....	.....
15	22.75	22.44	22.96	21.55	.....	24.88	21.95	25.21	25.46	.....	.....	.....
20	23.85	22.65	22.65	24.68	20.17	24.79	24.51	24.68	25.08	.....	.....	24.44
25	23.74	19.83	19.80	.....	23.93	24.36	24.74	25.32	24.95	.....	.....	22.09
Eom	23.18	22.55	24.06	.....	23.83	25.24	25.13	25.73	22.35	.....	.....	18.44

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	21.90	22.04	24.52	24.03	20.83	23.71	20.74	.....	.....	23.65	25.51	23.94
10	22.92	19.35	20.57	22.94	24.41	23.82	25.37	.....	.....	24.83	24.29	23.60
15	22.83	22.90	23.41	23.19	24.35	24.57	25.86	.....	.....	25.31	25.63	22.74
20	19.58	23.14	23.34	23.09	24.02	24.73	26.04	.....	.....	22.80	24.93	23.62
25	23.31	22.69	22.88	20.49	23.61	24.70	25.58	.....	.....	25.48	23.29	21.95
Eom	23.08	23.55	20.09	23.96	24.66	21.71	25.77	.....	.....	25.54	22.48	21.96

Warren County

405050075033201. Local number 24.2.8.4.8. (Well 4). Hoffman La Roche Co. Belvidere. Drilled observation artesian and water-table well in Wisconsin drift, diam 8 in (20 cm), depth 128 ft (39 m), cased with steel. Lsd 290.0 ft (88.4 m) above msl. MP top of shelf, 2.60 ft (0.79 m) above lsd. Highest water level 30.10 ft (9.17 m) below lsd, July 5, 1972; lowest 43.40 ft (13.23 m) below lsd, Nov. 20, 1965. Records available: 1960-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	34.22	35.99	36.88	36.89	35.66	33.62	35.24	38.18	40.25	41.70	42.30	42.37
10	34.34	34.32	37.32	34.95	36.24	33.41	35.68	38.54	40.27	41.83	42.38	41.95
15	34.95	34.15	37.50	33.64	36.23	34.22	36.55	39.02	40.86	41.99	42.45	40.81
20	35.66	34.88	37.40	33.63	35.86	35.24	37.35	39.36	41.08	42.18	42.50	39.92
25	36.19	35.65	37.24	34.35	35.16	36.18	37.64	39.65	41.31	42.35	42.56	37.06
Eom	36.63	36.13	37.40	35.11	34.75	36.75	37.99	39.97	41.51	42.42	42.51	34.14

405050075033201--Continued.

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	33.69	35.87	38.33	35.39	.....	.....	41.31	42.48	43.03	40.68	41.90	43.22
10	34.50	36.23	38.43	35.35	.....	38.73	41.45	42.73	41.87	40.46	42.45	42.99
15	35.45	36.82	38.40	.....	.....	39.37	41.56	43.00	41.07	40.77	42.76	41.66
20	36.40	37.55	37.86	.....	.....	39.83	41.70	43.11	40.96	41.00	42.93	.....
25	36.91	37.81	37.39	.....	.....	40.34	41.88	43.22	41.18	41.26	42.92	.....
Eom	36.39	38.25	36.49	.....	.....	40.83	42.29	43.27	41.32	41.58	42.99	.....

NEW YORK

The observation-well program in New York was continued during 1973 through 1974 in cooperation with the New York State Department of Environmental Conservation, the Nassau County Department of Public Works, the Suffolk County Department of Environmental Control, and the Suffolk County Water Authority. Figure 10 shows the location of observation wells included in this report.

Well-Numbering System

Wells are numbered according to their latitude-longitude location, as explained on page 1. Local well numbers are also given.

The local number is a 2-part identifier which consists of the abbreviation of the county name, followed by the serial number assigned within each county.

Well Descriptions and Water-Level Measurements

Water levels in the Upstate section of this report are in feet below land-surface datum, except those for local number Ot 900, which are above land-surface datum. On Long Island, water-levels are referred to mean sea level (Sandy Hook datum). For wells whose water levels fluctuate above and below mean sea level, a plus or minus sign, as appropriate, is shown for the first measurement in each column and for the first and last measurement of a series above (+) or below (-) sea level.

UPSTATE

Broome County

420657075583501. Local number Bm-121. U.S. Geol. Survey. Camden and Main Sts., Johnson City. Drilled observation water-table well in glacial sand of Pleistocene age, diam 6 in (15 cm), depth 53 ft (16 m), cased to 53 ft (16 m), open end. Lsd about 835 ft (255 m) above msl. MP top of casing, 3.17 ft (0.97 m) above lsd. Highest water level 9.73 ft (2.97 m) below lsd, Apr. 8, 1956; lowest 33.47 ft (10.20 m) below lsd, Sept. 23, 1965. Records available: 1947-74. Water levels affected by floods of Susquehanna River, and by pumping (3 to 7 MGD) from nearby municipal supply wells 1,100 ft (335 m) south.

Highest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	20.0	22.1	24.9	21.7	23.0	23.3	25.1	28.3	29.9	30.1	29.5	29.4
10	21.3	22.5	24.3	20.7	23.5	23.9	25.8	28.7	30.0	30.0	29.7	28.1
15	20.9	23.2	23.9	21.2	23.2	24.9	26.7	29.0	30.2	30.0	29.8	27.2
20	22.1	23.6	22.6	22.3	22.3	25.3	27.1	29.1	30.2	30.1	29.8	27.0
25	22.2	24.3	22.8	22.9	21.5	25.7	27.6	29.2	30.1	30.0	29.9	25.0
Eom	23.0	24.7	23.6	23.1	...	25.7	27.9	29.5	30.3	29.5	29.5	21.7

1974												
5	23.0	24.0	24.3	22.8	24.6	26.7	27.2	28.1	28.8	28.8	29.4	26.6
10	24.4	23.0	23.6	21.9	25.3	26.7	26.9	28.4	28.6	28.9	28.6	24.8
15	25.0	23.0	24.2	21.5	24.6	27.0	27.3	28.7	28.8	29.1	27.7	24.3
20	25.6	24.1	24.6	21.8	24.6	27.3	27.5	29.1	28.9	29.2	27.2	24.7
25	25.1	23.7	24.5	22.9	25.2	27.5	27.9	29.4	28.6	29.4	26.5	25.4
Ecm	e23.6	24.1	24.8	23.9	25.7	27.6	28.0	29.4	28.8	29.5	26.4	26.0

e Estimated.

Cattaraugus County

420530078445201. Local number Ct-121. State Dept. of Environmental Conservation. Near Red House. Drilled unused artesian well in sand and gravel of Pleistocene age, diam 6 in (15 cm), depth 53 ft (16 m), cased to 53 ft (16 m), open end. Lsd about 1,470 ft (448 m) above msl. MP top of casing, 0.30 ft (0.09 m) above lsd. Highest water level 3.29 ft (1.00 m) below lsd, Dec. 15, 1967; lowest 34.87 ft (10.63 m) below lsd, Nov. 21, 1972. Records available: 1950-74. Extreme low levels occur during late summer months, with lower than normal levels prevalent throughout the year. A source of nearby pumping has not been determined.

420530078445201--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1973	20.95	July 7, 1973	16.29	Jan. 11, 1974	15.88	July 12, 1974	31.50
12	20.16	13	16.72	18	16.88	19	32.21
19	19.89	20	17.41	25	16.14	26	33.19
26	19.56	Aug. 4	18.36	Feb. 8	16.06	Aug. 2	33.62
Feb. 2	19.77	10	21.37	16	16.53	9	32.79
9	19.31	17	19.61	20	16.75	16	34.01
16	18.43	24	19.97	Mar. 1	16.94	23	34.23
23	18.83	Sept. 3	21.96	8	16.56	30	34.42
Mar. 2	19.30	8	21.86	15	14.54	Sept. 7	34.31
9	18.87	15	22.25	22	14.29	13	34.00
16	18.11	28	20.70	29	14.34	27	33.55
23	17.59	Oct. 6	20.04	Apr. 5	13.59	Oct. 4	33.35
Apr. 14	13.73	12	19.57	12	13.59	11	31.96
20	15.69	19	18.84	28	19.28	18	27.30
27	16.04	26	18.55	May 10	14.14	25	23.66
May 4	14.31	Nov. 2	17.91	17	18.30	Nov. 1	20.20
12	13.54	23	17.89	24	16.05	8	17.31
18	12.96	30	17.62	31	20.96	15	14.31
25	12.70	Dec. 8	17.26	June 8	24.14	22	14.48
June 8	14.09	14	16.55	14	26.13	Dec. 6	11.10
15	14.86	21	16.44	21	27.38	13	9.72
22	15.76	31	16.09	29	30.06	20	8.55
29	15.88	Jan. 4, 1974	15.92	July 5	30.44		

Chautauqua County

420326079295801. Local number Cu-5. State Dept. of Environmental Conservation. Near Panama. Dug unused water-table well in glacial till of Pleistocene age, diam 36 in (91 cm), depth 33 ft (10 m), stone-lined. Lsd about 1,750 ft (533 m) above msl. MP top of 0.25-in (0.64-cm) steel-plate well cover, inside shelter door, 0.44 ft (0.13 m) below lsd. Highest water level 0.95 ft (0.29 m) below lsd, Dec. 26, 1968; lowest 9.41 ft (2.87 m) below lsd, May 24, 1949. Records available: 1949-74.

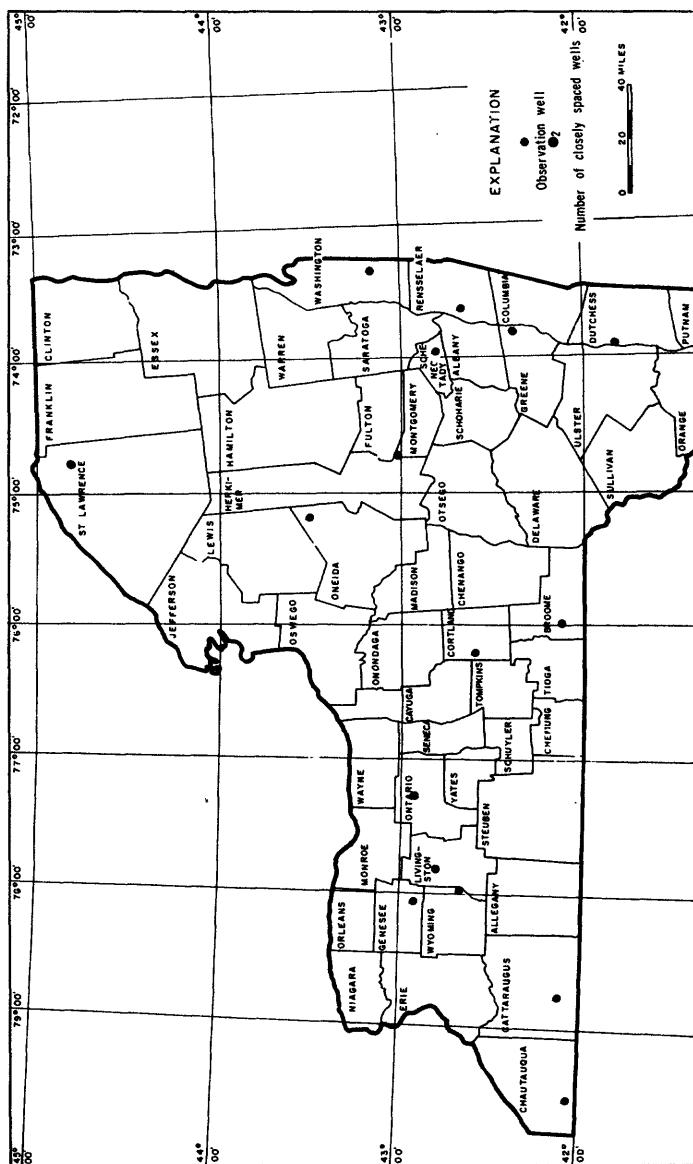
Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7, 1973	2.40	July 5, 1973	2.15	Jan. 3, 1974	2.30	July 4, 1974	3.20
14	2.45	12	2.20	10	2.25	11	3.25
18	2.40	19	2.30	17	2.20	18	3.38
25	2.35	26	2.35	24	2.10	25	3.40
Feb. 1	2.30	Aug. 2	2.30	31	2.05	Aug. 1	3.45
8	2.30	9	2.35	Feb. 7	2.00	8	3.40
15	2.30	16	2.40	14	1.90	15	3.45
22	2.25	23	2.45	21	1.85	22	3.50
Mar. 1	2.40	30	2.48	28	1.75	29	3.20
8	2.25	Sept. 6	2.50	Mar. 7	1.80	Sept. 5	3.20
15	2.20	13	2.53	14	2.70	12	3.10
22	2.15	20	2.55	21	2.65	26	1.01
29	2.20	27	2.60	28	2.68	Oct. 3	6.30
Apr. 5	2.15	Oct. 4	2.70	Apr. 4	1.95	10	5.30
12	2.20	11	2.80	11	2.15	17	5.20
19	2.25	18	2.70	18	2.25	24	4.65
26	2.30	25	2.75	25	2.20	31	4.45
May 3	2.15	Nov. 1	2.70	May 2	2.50	Nov. 7	3.40
10	2.12	8	2.65	9	2.25	14	3.15
17	2.10	15	2.60	16	2.40	21	3.00
24	2.05	22	2.55	23	3.20	28	3.10
31	2.00	29	2.50	30	3.35	Dec. 5	3.20
June 7	2.00	Dec. 6	2.45	June 6	3.50	12	3.10
14	2.05	13	2.40	13	3.65	19	2.90
21	2.10	20	2.35	20	3.65	26	2.65
28	2.15	27	2.32	27	3.90		

Cortland County

423539076114801. Local number C-19. City of Cortland. Broadway, Cortland. Dug unused water-table well in glacial gravel of Pleistocene age, diam 6 in (15 cm), depth 13 ft (4 m), cased to 13 ft (4 m), open end. Lsd about 1,140 ft (347 m) above msl. MP top inner step of flange, 2.45 ft (0.75 m) below lsd. Highest water level 2.98 ft (0.91 m) below lsd, Apr. 5, 1947; lowest 13.85 ft (4.22 m) below lsd, Nov. 15, 1973. Records available: 1947-74. Recording gage installed Oct. 31, 1972. Water levels affected by pumping from nearby municipal supply wells and by stage of nearby stream.

Highest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	4.56	6.46	4.80	4.43	5.24	5.44	6.36	7.64	8.60	8.44	10.24	9.20
10	4.71	7.70	5.05	4.58	5.20	5.25	6.39	...	9.95	8.10	10.66	8.50
15	...	5.42	4.78	4.84	5.45	5.10	6.54	8.17	10.40	8.38	10.95	7.82
20	...	5.55	4.52	5.03	5.63	5.65	6.75	8.13	9.85	8.91	9.73	7.61
25	...	4.65	5.26	5.70	6.10	6.96	7.25	8.95	9.32	9.58	9.38	...
Eom	...	5.40	4.55	5.31	5.62	6.27	7.25	8.95	9.05	9.73	9.37	...



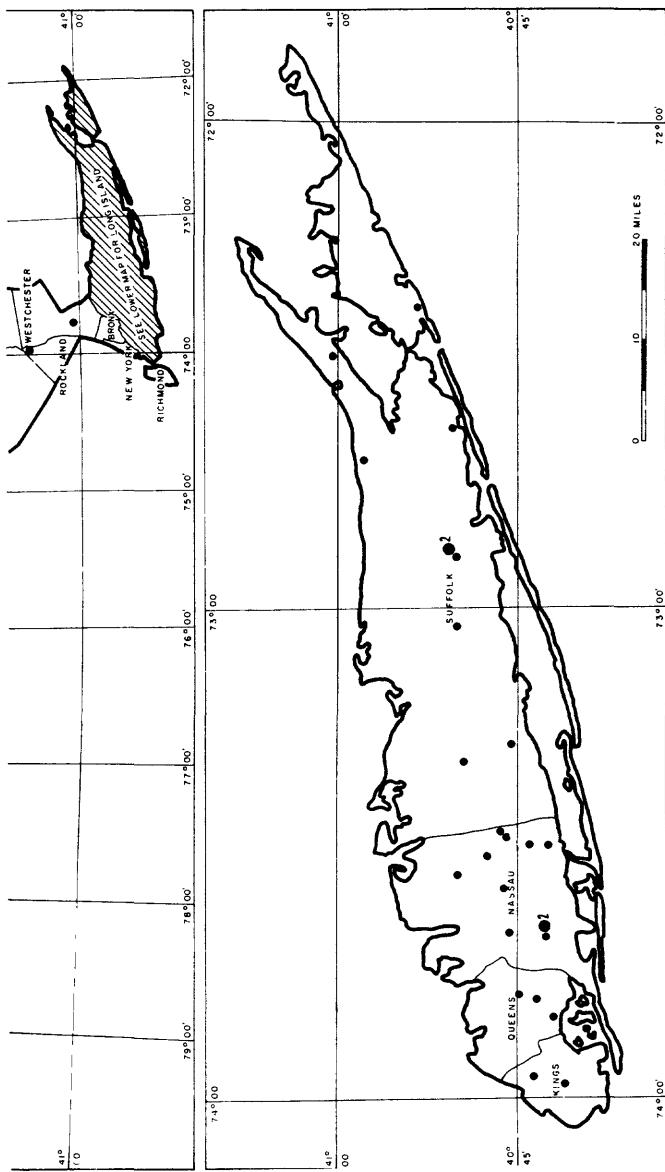


Figure 10.—Location of observation wells in New York, 1973-74.

GROUND-WATER LEVELS, 1973-74, NORTHEASTERN STATES

423539076114801--Continued.

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	6.20	5.20	5.21	4.03	5.19	5.57	6.08	7.92	8.60	9.12	9.53	6.10
10	5.93	5.22	5.20	....	5.36	5.58	6.34	8.23	8.70	9.05	9.22	5.02
15	5.85	5.31	5.35	....	5.27	5.81	....	8.33	8.65	9.18	8.07	4.99
20	6.06	5.43	5.41	....	5.42	5.90	7.20	9.02	8.95	9.36	7.53	....
25	5.50	5.15	5.40	....	5.35	6.06	7.55	8.93	9.35	9.51	5.94	....
Eom	5.35	5.46	5.29	5.09	5.40	5.89	7.89	9.03	9.09	9.68	5.86	....

Dutchess County

414737073563301. Local number Du-321. U.S. National Park Service. Near Hyde Park. Drilled unused artesian well in shale of Ordovician age, diam 6 in (15 cm), depth 128 ft (39 m), open hole. Lsd about 170 ft (52 m) above msl. MP top of casing, 3.10 ft (0.94 m) above lsd. Highest water level 65.62 ft (20.00 m) below lsd, June 22, 1953; lowest 73.85 ft (22.51 m) below lsd, Sept. 13, 1966. Records available: 1948-50, 1953-74. Water levels affected by earth tides, approximately 0.05 ft (0.94 m).

Highest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	67.11	66.98	66.22	66.05	....	66.07	66.28	67.01	67.87	68.39	68.74
10	67.66	67.10	66.93	66.11	66.15	....	66.08	66.41	67.21	68.04	68.47	68.63
15	67.56	66.93	66.75	66.27	66.12	....	66.10	66.50	67.33	68.00	68.52	68.65
20	67.38	67.08	66.54	66.24	65.94	....	66.31	....	67.45	68.21	68.61	68.32
25	67.42	66.96	66.84	66.06	65.94	....	....	....	....	68.32	68.60	68.41
Eom	67.49	67.09	66.82	66.01	65.87	....	....	....	....	68.17	68.61	68.33

1974

5	68.19	67.35	66.41	....	66.31	....	67.15	....	....	....	68.40	....
10	68.14	....	67.50	....	66.37	....	67.29	....	....	....	68.56	....
15	....	67.49	....	....	66.30	....	67.39	....	....	....	68.45	....
20	....	67.35	67.23	....	66.52	....	67.51	....	....	....	68.42	....
25	....	67.34	67.25	....	66.38	....	67.75	....	....	....	68.52	....
Eom	....	67.43	66.86	....	66.55	....	67.72	....	....	....	68.67	....

Genesee County

425516078032001. Local number Gs-2. Angeline C. Rigoni. Near Pavilion. Dug unused water-table well in glacial till of Pleistocene age, diam 36 in (91 cm), depth 21 ft (6 m), stone-lined. Lsd about 1,030 ft (314 m) above msl. MP painted arrow on top edge of concrete well cover, inside shelter door 6.2 ft (0.34 m) above lsd. Highest water level 0.10 ft (0.03 m) below lsd, May 14, 1960, Feb. 28, 1971; lowest 6.55 ft (2.00 m) below lsd, Feb. 11, 1961. Records available: 1950-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1973	0.82	July 14, 1973	2.38	Jan. 5, 1974	1.11	July 13, 1974	2.35
13	1.71	21	2.68	12	1.34	20	2.71
20	1.60	28	2.98	19	.65	27	2.75
27	1.52	Aug. 6	3.34	26	.66	Aug. 3	2.28
Feb. 3	.38	11	3.56	Feb. 2	.79	10	1.85
10	.92	18	3.85	9	1.26	17	2.21
17	1.58	25	4.05	23	.30	24	2.38
24	1.86	Sept. 1	4.29	2	.59	31	2.71
Mar. 3	1.19	8	4.52	25	.62	Sept. 6	2.18
10	.36	14	4.70	9	.62	14	2.55
17	.15	22	4.87	16	1.23	21	1.89
24	.37	Oct. 4	5.02	23	.66	28	1.17
31	.58	6	4.89	30	.69	Oct. 4	.96
Apr. 7	.31	13	5.01	13	.43	12	1.53
13	.98	20	5.14	20	1.04	19	1.44
21	1.34	27	5.27	27	1.00	26	1.67
28	.46	Nov. 3	4.94	May 4	1.45	Nov. 2	1.87
May 5	.78	10	5.04	11	1.21	9	.93
12	.83	18	2.25	18	.61	20	.21
19	1.24	24	1.42	25	1.51	23	.56
26	.82	Dec. 1	.77	June 1	1.58	30	.76
June 2	.30	8	1.02	8	1.91	Dec. 6	.79
9	.95	15	.63	14	2.17	17	.26
16	1.58	17	.88	22	.62	21	.63
25	1.58	22	.56	29	1.54	31	.50
July 7	2.10	29	.53	July 6	1.93		

Greene County

422319073482001. Local number G-1. Fred Krapp. Near West Coxsackie. Dug domestic water-table well in glacial till of Pleistocene age, diam 36 in (91 cm), depth 19 ft (6 m), tile-lined to 2 ft (1 m), stone-lined to 19 ft (6 m). Lsd about 130 ft (40 m) above ms. MP chiseled square on top of inner step on curb, 0.01 ft (0.05 m) below lsd. Highest water level 1.07 ft (0.33 m) below lsd, Mar. 15, 1962; lowest 15.56 ft (4.74 m) below lsd, Feb. 27, 1963. Records available: 1945-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1973	2.80	July 9, 1973	4.96	Jan. 7, 1974	3.97	July 7, 1974	3.25
10	3.94	16	6.60	14	4.57	14	4.18
17	5.11	23	7.33	21	4.47	21	4.58
24	3.05	31	8.55	28	2.38	28	4.94
31	4.15	Aug. 7	5.19	Feb. 5	3.45	Aug. 4	5.13
Feb. 7	3.29	15	5.38	12	4.18	12	5.52
14	4.23	22	6.89	19	3.81	20	5.80
21	4.58	31	9.36	27	4.05	27	5.69
Mar. 1	4.77	Sept. 6	8.91	Mar. 6	2.76	Sept. 4	4.10
7	3.94	13	9.33	13	3.69	10	5.76
14	3.11	20	9.91	20	3.07	18	3.81
21	3.12	28	10.75	27	3.32	25	3.39
28	3.50	Oct. 5	11.25	Apr. 3	2.71	Oct. 2	3.18
Apr. 5	2.31	12	11.56	11	2.73	9	3.91
12	2.84	19	12.05	18	3.21	16	4.06
19	4.02	26	12.29	25	4.07	24	4.05
May 26	4.70	Nov. 2	10.47	May 3	4.14	Nov. 2	4.35
3	4.37	9	10.17	10	4.52	7	3.57
10	4.84	16	10.28	18	3.30	14	2.87
17	3.16	24	10.71	25	4.21	21	2.54
24	3.06	Dec. 1	9.98	June 1	3.74	29	b5.03
31	3.39	8	8.96	8	4.43	Dec. 5	3.42
June 9	5.64	15	6.87	16	4.50	13	2.95
16	5.93	23	3.23	23	4.07	19	2.71
23	5.64	31	2.91	30	4.17	26	3.12
July 1	3.29						

b Well pumped recently.

Livingston County

4247590977488501. Local number Lv-1. Maude Redmond, 33 North St., Genesee. Dug unused water-table well in glacial till (?) of Pleistocene age, diam 4 ft (1 m), depth 28 ft (9 m), stone-lined. Lsd about 795 ft (242 m) above msrl. MP top of floorboard, 1.50 ft (0.46 m) above lsd. Highest water level 0.3 ft (0.1 m) below lsd, Mar. 15, 1945; lowest 9.74 ft (2.97 m) below lsd, Nov. 29, 1952. Records available: 1942-73. Measurement discontinued.

Jan. 25, 1973	4.98	Apr. 25, 1973	4.89	June 25, 1973	4.92	Aug. 25, 1973	7.25
Feb. 25	4.84	May 25	4.40	July 25	6.35	Sept. 19	7.89
Mar. 25	4.21						

Montgomery County

430141074423501. Local number Mt-1. Marion G. Groff. Near St. Johnsville. Dug unused water-well in glacial till of Pleistocene age, diam. 24 in (61 cm), depth 12 ft (4 m), stone-lined. Lsd about 710 ft (216 m) above msl. MF top edge of limestone slab at northeast corner of well opening, at lsd. Highest water level 3.74 ft (1.14 m) below lsd, Apr. 10, 1971; lowest 9.99 ft (3.04 m) below lsd, Aug. 28, 1949. Records available: 1942-74.

Jan.	6, 1973	5.11	June	16, 1973	6.96	Nov.	24, 1973	7.70	July	21, 1974	7.99
13		6.61		23	7.34	Jan.	5, 1974	5.66	28	8.02	
20		6.48	July	7	6.71		12	5.91	10	8.10	
27		6.59		14	7.81		19	7.02	17	8.25	
Feb.	3	6.81		21	8.28		26	7.23	24	8.33	
10		7.28		28	8.36	Feb.	2	5.61	31	8.30	
17		7.40	Aug.	4	8.68		9	6.37	Sept.	7	7.79
24		7.68		11	8.86	Mar.	27	6.72		14	7.74
Mar.	3	7.83		18	8.90		30	6.79		21	7.43
10		7.10		25	9.04	Apr.	6	6.20		28	7.54
17		5.74	Sept.	1	9.17		13	5.17	Oct.	5	7.83
24		5.87		7	9.24		21	5.62		12	8.06
31		5.64		8	9.19		27	6.31		21	8.11
Apr.	7	4.35		15	9.17	May	4	6.43		26	8.20
14		5.31		22	9.19		11	6.67	Nov.	2	8.29
21		6.04		29	9.35		18	6.42		9	7.30
28		6.17	Oct.	6	9.23		27	6.93		16	7.70
May	5	6.66		13	9.17	June	1	7.20		23	7.91
12		6.16		20	9.09		8	7.58		30	7.87
19		4.81		27	9.16		15	7.62	Dec.	7	7.83
26		6.10	Nov.	3	8.83		22	7.69		14	7.67
June	2	6.22		10	8.32	July	7	7.82		21	7.49
	9	6.56		17	7.61		14	7.91		28	7.32

GROUND-WATER LEVELS, 1973-74, NORTHEASTERN STATES

Oneida County

433112075091501. Local number Oe-151. Henry Rubyor. At Woodgate. Dug domestic water-table well in glacial sand of Pleistocene age, diam 36 in (91 cm), depth 31 ft (9 m), stone-lined. Lsd 1,484.94 ft (452.61 m) above ms1. MP top of 2-ft (1-m) square concrete well cover at midpoint of south side of rectangular opening, 1.00 ft (0.30 m) above lsd. Highest water level 11.47 ft (3.50 m) below lsd, May 13, 1972; lowest 30.31 ft (9.24 m) below lsd, Feb. 25, 1961. Records available: 1926-45, 1948-74.

	Date	Water level		Date	Water level		Date	Water level		Date	Water level
Jan.	6, 1973	19.00	July 14, 1973	21.50		Jan.	5, 1974	19.20		July 6, 1974	19.51
13	18.79		21	22.06		12	19.39		13	19.48	
20	19.69		28	23.13		19	20.14		20	19.86	
27	19.74		Aug. 4	23.34		26	20.60		27	20.50	
Feb.	3	19.06	11	24.08		Feb.	2	20.26		Aug. 3	20.98
10	17.86		18	24.69		9	20.07		10	21.02	
17	18.68		25	25.08		16	20.57		17	20.51	
24	19.38		Sept. 1	26.22		23	20.99		24	21.34	
Mar.	3	20.28	5	27.27		Mar.	2	20.98		31	22.10
10	20.67		8	25.68		9	19.85		Sept. 7	22.58	
17	18.93		15	25.59		16	19.00		14	22.87	
24	16.95		22	26.04		23	19.56		21	23.57	
31	16.88		29	26.32		30	19.93		28	24.07	
Apr.	7	16.33	Oct. 6	26.35		Apr.	6	19.81		Oct. 5	24.58
14	15.03		13	26.76		13	18.88		12	24.78	
21	15.67		20	26.85		20	18.28		19	25.16	
28	16.68		27	26.95		27	17.58		26	25.32	
May	5	17.83	Nov. 3	26.90		May	4	17.44		Nov. 2	25.61
12	18.68		10	27.35		11	17.55		9	25.67	
19	18.05		17	27.88		18	14.37		16	25.81	
26	16.49		24	27.33		25	15.07		23	25.19	
June	2	17.01	Dec. 1	27.18		June	1	16.11		30	23.71
9	18.20		8	26.71		8	17.17		Dec. 7	22.55	
16	18.90		17	23.35		15	17.93		14	22.18	
23	19.58		22	22.63		22	18.77		21	21.62	
30	20.14		29	20.60		27	19.19		28	21.70	
July	7	20.90									

Ontario County

425840077133901. Local number Ot-900. State Thruway Authority. At New York State Thruway Interchange No. 43, near Manchester. Drilled unused artesian well in Camillus Shale of the Salina Group of Late Silurian age, diam 6 in (15 cm), depth 139 ft (42 m), cased to 11 ft (3 m), open hole. Lsd about 555 ft (169 m) above ms1. MP top of casing, 11.43 ft (3.48 m) above lsd. Highest water level 10.78 ft (3.29 m) above lsd, Apr. 27, 1964; lowest 4.59 ft (1.40 m) above lsd, Nov. 11, 1957. Records available: 1955-74.

	Jan. 1, 1973	+10.40	July 9, 1973	+9.43		Jan. 7, 1974	+8.82		July 8, 1974	+8.82
8	10.18		16	9.12		14	8.78		15	8.73
15	10.21		23	8.80		21	8.92		22	8.35
22	10.22		30	8.70		28	9.00		30	8.37
29	10.08		Aug. 6	8.49		Feb. 4	9.17		Aug. 5	8.22
Feb.	5	9.95	13	8.30		11	9.23		12	8.10
12	9.96		20	8.17		18	9.22		19	8.00
19	10.21		27	7.98		25	9.20		26	7.89
26	9.76		Sept. 3	7.76		Mar. 4	9.52		Sept. 2	8.17
Mar.	5	9.84	10	7.76		11	9.36		9	8.41
12	10.19		17	7.50		18	9.69		16	8.43
19	10.39		24	7.34		25	9.45		23	8.42
26	10.47		Oct. 1	7.18		Apr. 1	9.82		30	8.71
Apr.	2	10.57	8	7.24		8	9.80		Oct. 7	8.67
9	10.54		15	7.34		15	10.15		14	8.83
16	10.58		22	7.08		22	10.15		21	8.46
23	10.48		29	7.19		29	9.86		28	8.52
30	10.33		Nov. 5	7.18		May 6	9.85		Nov. 4	8.59
May	7	10.13	12	7.08		13	9.68		11	8.60
14	10.13		19	7.23		20	9.68		18	8.58
21	10.18		26	7.43		28	9.81		25	8.79
28	10.24		Dec. 3	7.62		June 3	9.75		Dec. 2	9.21
June	4	9.86	10	7.90		10	9.71		9	9.23
11	9.94		17	8.16		17	9.03		16	9.41
18	9.71		24	8.10		24	8.97		23	9.40
25	9.76		31	8.54		July 1	9.05		30	9.47
July	2	9.55								

Rensselaer County

423834073391001. Local number Re-700. William P. Hofmann. Near Defreestville. Dug domestic water-table well in sand and gravel of Pleistocene age, diam 4 ft (1 m), depth 16 ft (5 m), stone-lined. Lsd about 405 ft (123 m) above ms1. MP top edge of concrete curbing at midpoint of north side of rectangular opening, 2.00 ft (0.61 m) above lsd. Highest water level 8.92 ft (2.72 m) below lsd, Apr. 4, 1970; lowest 15.49 ft (4.72 m) below lsd, Oct. 3, 1964. Records available: 1954-74.

423834073391001--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1973	9.90	July 7, 1973	11.37	Jan. 5, 1974	11.17	July 7, 1974	11.65
13	10.09	11	11.70	12	11.30	15	12.50
20	9.84	21	12.07	19	11.36	20	12.57
28	10.19	28	12.48	26	10.75	27	12.72
Feb. 3	9.17	Aug. 4	12.27	Feb. 2	10.54	Aug. 3	12.98
10	10.09	12	12.72	9	10.66	10	13.27
17	10.53	19	13.19	16	10.84	17	13.45
24	10.71	26	13.00	23	9.95	24	13.80
Mar. 3	10.74	Sept. 1	13.17	Mar. 2	10.51	31	13.94
10	10.66	8	13.25	9	10.55	Sept. 7	13.45
17	10.48	15	13.48	16	10.68	14	13.54
24	10.54	22	13.53	24	10.73	22	13.30
31	10.36	30	13.72	30	10.10	28	13.46
Apr. 7	9.62	Oct. 6	13.69	Apr. 6	10.06	Oct. 5	13.34
14	10.00	13	14.29	13	9.63	12	13.29
22	10.79	20	13.88	20	9.79	19	13.18
29	10.05	27	13.85	27	9.90	26	13.54
May 7	10.58	Nov. 3	13.84	May 4	9.92	Nov. 2	13.50
13	10.45	10	13.90	11	10.17	11	13.89
19	9.90	17	13.95	18	9.85	16	13.83
27	9.70	28	13.87	25	10.00	24	11.80
June 2	10.06	Dec. 2	13.84	June 2	10.69	Dec. 1	11.52
10	10.63	8	13.74	8	10.88	8	11.35
16	10.98	15	13.19	15	11.44	15	11.11
23	11.45	22	12.50	22	11.40	22	11.03
30	11.12	29	11.35	29	11.78	28	11.05

Rockland County

411802073593001. Local number Ro-18. Palisades Interstate Park Commission. In Bear Mountain section near Lemon Rd. and Seven Lakes Dr. Drilled unused artesian well in Storm King Granite (of local usage) of Precambrian age, diam 6 in (15 cm), depth 60 ft (18 m), cased to 53 ft (16 m), open hole. Lsd about 390 ft (119 m) above msl. MP top of casing, 3.65 ft (1.11 m) above lsd. Highest water level 10.55 ft (3.22 m) below lsd, Mar. 3, 1961; lowest 28.16 ft (8.58 m) below lsd, Nov. 29, 1964. Records available: 1949-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1973	13.08	July 16, 1973	15.15	Dec. 24, 1973	19.31	July 8, 1974	18.00
16	14.53	24	16.13	Jan. 15, 1974	14.90	15	18.50
26	14.53	31	16.90	22	15.25	22	19.12
Feb. 9	11.75	Aug. 7	17.59	29	12.20	29	19.67
24	15.15	14	18.33	Feb. 5	13.17	Aug. 5	20.30
Mar. 5	15.79	21	18.99	12	14.38	12	20.86
16	15.73	28	19.68	28	14.21	19	21.54
26	14.85	Oct. 1	22.95	Mar. 15	15.18	Sept. 6	21.96
Apr. 11	12.01	9	23.69	22	15.25	13	21.52
20	14.47	15	24.13	Apr. 5	13.36	20	21.80
May 1	14.36	30	25.33	27	14.55	27	22.32
14	15.01	Nov. 7	25.85	May 10	15.65	Oct. 4	22.30
22	15.04	16	26.38	20	15.75	18	22.86
June 4	15.57	27	27.01	28	16.00	Nov. 8	23.34
11	16.09	Dec. 4	27.30	June 10	16.62	15	23.50
22	16.87	11	27.18	17	17.03	Dec. 6	22.91
July 3	14.17						

St. Lawrence County

444904074455201. Local number St-40. State Dept. of Environmental Conservation. Near Brasher Falls. Dug unused water-table well in glacial sand of Pleistocene age, diam 36 in (91 cm), depth 12 ft (4 m), concrete cased to 12 ft (4 m), open end. Lsd 299 ft (91 m) above msl (determined with barometric altimeter). MP chiseled mark on top edge of 6- x 8-in (15- x 20-cm) opening of concrete well cover, 0.70 ft (0.21 m) above msl. Highest water level 3.24 ft (0.99 m) below lsd, Apr. 21, 1971; lowest 0.70 ft (0.21 m) below lsd, Oct. 24, 1964. Records available: 1953-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1973	5.17	June 6, 1973	4.66	Nov. 7, 1973	7.40	Apr. 10, 1974	4.58
10	5.26	13	4.75	14	7.50	17	4.34
17	5.46	20	4.68	21	7.38	24	4.59
24	4.78	27	5.04	28	6.98	May 1	4.18
31	5.12	July 3,	5.17	Dec. 5	6.78	8	4.59
Feb. 7	4.86	11	5.51	12	6.51	15	4.72
14	5.14	18	5.85	19	6.49	22	4.91
21	5.33	26	6.24	26	6.23	29	5.09
28	5.48	Aug. 1	6.57	Jan. 2, 1974	7.59	June 5	5.20
Mar. 7	5.25	8	6.61	9	5.90	12	5.14
14	4.36	15	6.95	16	6.19	19	5.35
22	4.36	22	7.17	23	6.12	26	5.47
28	4.55	29	7.42	30	5.47	July 3	5.67
Apr. 4	3.96	Sept. 5	7.65	Feb. 6	5.46	11	5.95
11	4.36	12	7.69	14	5.80	17	6.29
18	4.60	19	7.71	20	6.01	24	6.31
25	4.80	26	7.45	27	5.91	31	6.13
May 2	4.86	Oct. 3	7.51	Mar. 6	5.30	Aug. 8	6.36
10	4.96	10	7.09	13	5.10	14	6.61
16	4.98	17	7.21	20	5.36	21	6.84
23	4.34	24	7.41	27	5.47	28	7.14
30	4.70	31	7.48	Apr. 3	5.13	Sept. 4	7.36

444904074455201--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Sept. 11, 1974	7.41	Oct. 9, 1974	7.00	Nov. 6, 1974	7.37	Dec. 11, 1974	6.03
18	7.56	16	7.10	13	7.32	18	5.99
25	7.09	23	7.22	20	6.89	25	6.06
Oct. 2	7.23	30	7.33	Dec. 3	6.22		

Schenectady County

424910073591401. Local number Sn-363. City of Schenectady. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 6 in (15 cm), original depth 57 ft (17 m), cased to 57 ft (17 m), open end. Lsd 228.50 ft (69.65 m) above msl. MP top of shelter platform, 2.55 ft (0.78 m) above lsd. Highest water level 3.62 ft (1.10 m) below lsd, Dec. 27, 1973; lowest 31.27 ft (9.53 m) below lsd, Feb. 10, 1966. Records available: 1960-74. Water levels affected by stage of Mohawk River and by pumping from municipal well field.

Highest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	16.16	9.49	20.40	e13.5	19.00	18.86	18.02	20.34	21.38	20.75	19.29	19.69
10	18.13	17.03	17.89	17.49	19.04	19.55	20.81	22.19	19.91	19.79	20.19	e18.95
15	19.92	18.97	19.12	19.50	18.09	19.12	20.03	19.22	20.07	20.13	20.36	...
20	14.13	20.18	17.03	20.00	13.42	19.88	21.53	20.35	19.47	20.62	19.77	20.51
25	11.29	20.72	20.07	19.70	17.03	20.16	21.63	21.17	19.98	20.39	19.28	9.75
Eom	18.06	20.54	21.00	18.83	17.18	16.45	21.05	22.10	20.01	20.05	19.32	14.73

1974

5	19.09	17.96	18.84	17.50	18.74	19.83	14.77	19.29	17.99	19.03	18.92	18.78
10	19.13	19.13	18.50	18.16	18.47	21.00	20.15	19.78	19.23	18.98	e18.41	17.15
15	18.95	19.68	20.82	16.64	16.61	19.99	21.63	21.02	18.39	19.47	18.12	19.16
20	19.07	20.39	20.77	18.81	18.10	19.58	20.99	20.67	18.61	18.25	19.90	21.57
25	17.12	13.79	20.78	19.74	18.49	19.61	20.25	19.32	18.40	18.94	18.23	19.35
Eom	15.71	16.45	21.97	20.96	19.06	19.05	18.82	18.81	18.27	18.76	....	19.64

e Estimated.

Washington County

431026073194101. Local number W-264. Village of Salem. Dug fire-protection water-table well in glacial gravel of Pleistocene age, approximate size 8 x 12 ft (2 x 4 m), depth 15 ft (5 m), stone-lined. Lsd 485.5 ft (148.0 m) above msl. MP top edge of concrete cover at north side of square opening, at lsd. Highest water level 6.62 ft (2.02 m) below lsd, Apr. 4, 1960; lowest 11.70 ft (3.57 m) below lsd, Oct. 12, 1964. Records available: 1946-74. Water levels affected by floods of nearby stream.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1, 1973	9.07	Oct. 21, 1973	10.12	Mar. 20, 1974	8.97	Aug. 20, 1974	10.92
May 25	8.24	Nov. 27	10.77	Apr. 21	8.97	Sept. 20	9.98
June 6	9.03	Dec. 27	8.95	May 24	8.97	Oct. 20	9.95
27	9.89	Jan. 24, 1974	9.93	June 20	10.00	Nov. 20	9.97
July 26	9.99	Feb. 26	8.99	July 19	10.00	Dec. 18	9.92
Aug. 21	9.94						

Westchester County

410152073460401. Local number We-4. Westchester County Jail. Martine Ave. and Court St., White Plains. Drilled unused artesian well in Inwood Limestone of Precambrian age, diam 6 in (15 cm), depth 203 ft (62 m), casing information not available. Lsd 220.8 ft (67.3 m) above msl. MP top of casing, at lsd. Highest water level 21.71 ft (6.62 m) below lsd, Feb. 25, 1970; lowest 32.4 ft (9.9 m) below lsd, Nov. 26, 1957. Records available: 1953-74.

Highest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	22.64	22.59	22.77	22.72	22.61	22.70	22.87	22.87	23.21	23.59	23.93	24.22
10	22.71	22.53	22.78	22.56	22.62	22.78	....	22.84	23.19	23.68	24.09	24.17
15	22.72	22.36	22.70	22.71	22.64	22.80	....	22.90	23.34	23.70	24.05	24.14
20	22.74	22.57	22.87	22.69	22.67	22.89	23.03	23.02	23.37	23.81	24.19	24.00
25	22.90	22.69	22.78	22.68	22.71	22.94	22.82	23.10	23.49	23.93	24.14	23.79
Eom	22.88	22.70	22.95	22.67	22.70	22.95	22.86	23.18	23.51	23.90	24.21	23.60

410152073460401--Continued.

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	23.54	23.22	23.21	.....	23.04	23.28	23.57	23.94	23.95	23.67	.....	.....
10	23.52	23.23	23.24	.....	23.03	23.25	23.60	24.01	23.67	23.68	.....	.....
15	23.44	23.30	23.37	.....	23.05	23.39	23.68	24.09	23.60	23.68	.....	.....
20	23.48	23.19	23.50	22.98	23.15	23.43	23.76	24.12	23.65	.....	.....	.....
25	23.31	23.22	.....	23.00	23.16	23.44	23.82	24.16	23.66	.....	.....	.....
Eom	23.15	23.25	.....	22.99	23.20	23.50	23.91	24.17	23.65	.....	.....	.....

Wyoming County

423739077595501. Local number Wo-1. State Dept. of Environmental Conservation. Letchworth State Park, near Castle. Dug unused water-table well in glacial till(?) of Pleistocene age, diam 2 in (5.1 cm), depth 14 ft (4 m), well point (60-gauge screen) 11-14 ft (3-4 m). Lsd about 1,020 ft (311 m) above msl. MP top of 2-x 1-in (5.1-x 2.5-cm) reducing coupling, 3.33 ft (1.01 m) above lsd. Highest water level 0.5 ft (0.2 m) below lsd, Apr. 5, 1947; lowest dry, Dec. 6-27, 1964, Jan. 2, 1965. Records available: 1942-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20, 1973	3.72	Jan. 19, 1974	5.46	June 1, 1974	3.63	Aug. 27, 1974	11.97
Feb. 20	3.58	Feb. 23	2.25	9	4.75	Sept. 1	12.21
Mar. 19	2.02	Mar. 19	2.73	17	6.03	8	12.47
Apr. 22	3.02	Apr. 1	1.97	23	5.48	15	12.67
May 20	3.13	7	2.71	30	7.12	22	12.92
June 17	3.79	14	2.20	July 7	8.57	29	13.03
July 22	7.66	21	3.11	14	9.36	Oct. 6	13.16
Aug. 25	10.73	28	3.22	21	10.06	15	13.35
Sept. 23	12.00	May 5	3.38	29	10.51	20	13.46
Oct. 21	13.07	12	1.95	Aug. 4	10.90	28	13.60
Nov. 17	13.73	19	2.67	11	11.29	Nov. 17	13.41
Dec. 22	12.26	28	3.20	18	11.57	Dec. 17	6.65

LONG ISLANDKings County

404149073571201. Local number K30. Detecto Scales, Inc. Park and Nostrand Aves., Williamsburg. Drilled unused water-table well in upper glacial aquifer, diam 8 in (20 cm), depth 56 ft (17 m), screen assumed at bottom. Lsd 17.8 ft (5.4 m) above msl. MP top of 8-in (20-cm) coupling, 5.93 ft (1.81 m) below lsd. Highest water level 4.81 ft (1.47 m) above msl, Dec. 19, 1974; lowest 29.75 ft (9.07 m) below msl, Nov. 8, 1941. Records available: 1935-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 3, 1973	+2.15	Jan. 9, 1974	+1.59	June 26, 1974	+4.51	Sept. 25, 1974	+4.74
July 9	2.58	Mar. 19	4.20	Sept. 4	4.52	Dec. 19	4.81
Oct. 2	4.04						

403819073581101. Local number K530. J. Morea. 912 Cortelyou Rd., Flatbush. Drilled observation water-table well in upper glacial aquifer, diam 18 in (46 cm), depth 145 ft (44 m), screened 95-145 ft (29-44 m). Lsd 40.1 ft (12.2 m) above msl. MP top of 14-in (3.2-cm) nipple, 7.21 ft (2.20 m) below lsd. Highest water level 8.75 ft (2.67 m) above msl, July 2, 1973; lowest 5.89 ft (1.80 m) below msl, June 24, 1947. Records available: 1947-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 3, 1973	+8.30	Sept. 24, 1973	+8.44	Mar. 19, 1974	+8.20	Sept. 4, 1974	+8.23
July 2	8.75	Jan. 10, 1974	8.33	June 28	8.14	Dec. 20	8.30

Nassau County

404043073413001. Local number N7. Long Island State Park Commission, Corona Ave. and Remsen St., Valley Stream. Drilled unused artesian well in Lloyd aquifer, diam 10 to 6 in (25 to 15 cm), depth 911 ft (278 m), screened 851-911 ft (259-278 m). Lsd 20.8 ft (6.3 m) above msl. MP top of reducer, 2.16 ft (0.66 m) above lsd. Highest water level 12.75 ft (3.89 m) above msl, Mar. 9, 1941; lowest 6.84 ft (2.08 m) below msl, Aug. 25, 1970. Records available: 1936-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2, 1973	+1.04	June 22, 1973	+0.58	Apr. 8, 1974	+4.69	Oct. 1, 1974	-5.04
10	1.11	Sept. 21	-4.14	June 20	+3.26	Dec. 19	-4.14
Mar. 19	3.77	Dec. 26	-4.53				

404048073412501. Local number N9. Long Island State Park Commission, Corona Ave. and Remsen St., Valley Stream. Drilled unused artesian well in Magothy aquifer (previously reported in sands of Magothy aquifer), diam 6 to 4 in (15 to 10 cm), depth 138 ft (42 m), screened 98-138 ft (30-42 m). Lsd 23.2 ft (7.1 m) above msl. MP top of casing, 1.48 ft (0.45 m) above lsd. Highest water level 23.57 ft (7.18 m) above msl, Sept. 3, 1938; lowest 1.88 ft (0.57 m) above msl, June 20, 1974. Records available: 1936-74.

404048073412501--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1973	+15.22	June 22, 1973	+14.60	Dec. 26, 1973	+11.56	June 20, 1974	+1.88
Mar. 19	15.56	Sept. 21	12.61	Apr. 8, 1974	12.49	Dec. 19	9.96

404029073294201. Local number N180. City of New York. Dept. of Water Supply, Gas and Electricity, Sunrise Hwy. and Seaman's Neck Rd., Seaford. Drilled unused artesian well in Magothy aquifer, diam 4 to 6 in (10 to 15 cm), depth 762 ft (232 m), screen assumed at bottom. Lsd 15.3 ft (4.7 m) above msl. MP top of 4-in (10-cm) coupling, 14.30 ft (4.36 m) above lsd. Highest water level 21.08 ft (6.43 m) above msl, June 6, 1952; lowest 12.80 ft (3.90 m) above msl, July 15, 1966. Records available: 1945-74.

Mar. 28, 1973	+15.91	Sept. 21, 1973	+15.89	Apr. 8, 1974	+17.36	Oct. 1, 1974	+14.67
June 22	16.83	Dec. 20	15.69	June 19	14.72	Dec. 16	15.19

404609073421601. Local number N1102. Nassau County Dept. of Public Works. Long Island Expressway and Community Dr., Lake Success. Drilled observation water-table well in upper glacial aquifer (previously reported in deposits of late Pleistocene age), diam 4 in (10 cm), depth 166 ft (51 m), screened 161-166 ft (49-51 m). Lsd 184.0 ft (56.1 m) above msl. MP top of 4-in (10-cm) coupling, 0.32 ft (0.10 m) below lsd. Highest water level 59.12 ft (18.02 m) above msl, May 25, 1953; lowest 28.47 ft (8.68 m) above msl, June 29, 1973. Records available: 1939-78.

Mar. 28, 1973	+30.94	Sept. 21, 1973	+31.01	Apr. 10, 1974	+33.98	Oct. 1, 1974	+33.99
June 29	28.47	Dec. 27	30.49	June 20	34.26	Dec. 19	32.72

404039073420001. Local number N1110. Nassau County Dept. of Public Works. Henry St. near Southern State Parkway, North Valley Stream. Drilled observation water-table well in upper glacial aquifer (previously reported in deposits of late Pleistocene age), diam 1 $\frac{1}{2}$ in (3.2 cm), depth 27 ft (8 m), screened 20-27 ft (7.6-8.2 m). Lsd 30.9 ft (9.4 m) above msl. MP top of casing, 0.05 ft (0.02 m) below lsd. Highest water level 21.05 ft (6.42 m) above msl, Apr. 21, 1939, June 6, 1946; lowest 7.39 ft (2.25 m) above msl, Dec. 19, 1974. Records available: 1939-74.

Mar. 19, 1973	+12.13	Sept. 21, 1973	+9.55	Apr. 8, 1974	+9.85	Oct. 1, 1974	+7.81
June 22	9.49	Dec. 26	8.18	June 20	8.55	Dec. 19	7.39

404820073312101. Local number N1212. Nassau County Dept. of Public Works. Jericho Turnpike, Locust Grove. Drilled observation artesian well in Magothy aquifer (previously reported in sands of Magothy aquifer), diam 4 in (10 cm), depth 185 ft (56 m), screened 181-185 ft (55-56 m). Lsd 228.2 ft (69.6 m) above msl. MP top of recorder shelf, 0.54 ft (0.16 m) below lsd. Highest water level 89.74 ft (27.35 m) above msl, Oct. 6, 1953; lowest 73.00 ft (22.25 m) above msl, Apr. 25, 1967. Records available: 1943-74.

Mar. 27, 1973	+83.87	Sept. 20, 1973	+86.65	Apr. 8, 1974	+87.16	Oct. 3, 1974	+85.96
June 29	84.38	Dec. 20	87.10	June 19	86.62	Dec. 19	86.13

404704073264201. Local number N1246. Nassau County Dept. of Public Works. Round Swamp and Old Country Rds., Plainview. Drilled observation water-table well in Magothy aquifer, diam 4 in (10 cm), depth 125 ft (38 m), screen assumed at bottom. Lsd 184.9 ft (56.4 m) above msl. MP top of 4-in (10-cm) coupling, 0.08 ft (0.02 m) above lsd. Highest water level 83.55 ft (25.47 m) above msl, Nov. 2, Dec. 26, 1961; lowest 68.29 ft (20.81 m) above msl, Apr. 25, 1967. Records available: 1940-74.

Mar. 27, 1973	+77.62	Sept. 21, 1973	+80.28	Apr. 10, 1974	+80.53	Oct. 3, 1974	+79.62
June 27	79.43	Dec. 20	80.72	June 19	80.24	Dec. 19	79.73

404317073290901. Local number N1259. U.S. Geol. Survey, Hicksville-Massapequa Rd., Plainedge. Drilled observation water-table well in upper glacial aquifer (previously reported in deposits of late Pleistocene age), diam 1 $\frac{1}{2}$ in (3.2 cm), depth 41 ft (13 m), screened 38-41 ft (12-13 m). Lsd 78.4 ft (23.9 m) above msl. MP top of casing, 0.32 ft (0.10 m) below lsd. Highest water level 56.99 ft (17.37 m) above msl, June 23, 1952; lowest 45.61 ft (13.90 m) above msl, Aug. 25, 1966. Records available: 1909-10, 1912-16, 1930-35, 1937-74.

Jan. 26, 1973	+53.23	July 25, 1973	+54.75	Jan. 25, 1974	+52.45	July 23, 1974	+51.47
Feb. 22	54.19	Aug. 24	53.76	Feb. 22	52.69	Aug. 27	50.38
Mar. 27	54.92	Sept. 24	52.88	Mar. 22	52.89	Sept. 24	50.74
Apr. 26	55.07	Oct. 24	52.04	Apr. 24	53.56	Oct. 24	50.82
May 24	54.93	Nov. 26	51.46	May 23	53.14	Nov. 22	50.64
June 25	54.43	Dec. 20	51.94	June 24	52.47	Dec. 24	50.88

404554073351501. Local number N1616. Nassau County Dept. of Public Works. Post Ave. and Argyle Rd., Westbury. Drilled observation water-table well in upper glacial aquifer (previously reported in deposits of late Pleistocene age), diam 2 in (5.1 cm), depth 68 ft (21 m), screened 65-68 ft (20-21 m). Lsd 122.4 ft (37.3 m) above msl. MP top of casing, 0.32 ft (0.10 m) below lsd. Highest water level 85.42 ft (26.04 m) above msl, June 1, 1939; lowest 68.28 ft (20.81 m) above msl, Feb. 28, 1967. Records available: 1913-15, 1932-74.

Jan. 26, 1973	+73.73	July 25, 1973	+77.03	Jan. 28, 1974	+75.80	July 25, 1974	+76.03
Feb. 22	74.34	Aug. 27	76.75	Feb. 22	75.90	Aug. 28	75.65
Mar. 27	74.91	Sept. 24	76.52	Mar. 22	75.96	Sept. 24	75.61
Apr. 27	75.72	Oct. 24	76.15	Apr. 24	76.15	Oct. 24	75.56
May 29	76.51	Nov. 26	75.68	May 23	76.49	Nov. 25	75.30
June 25	76.72	Dec. 21	75.76	June 24	76.54	Dec. 24	75.14

405101073343401. Local number N2528. Nassau County Dept. of Public Works. Chicken Valley and Wolver Hollow Rds., Upper Brookville. Drilled observation artesian well in Magothy aquifer (previously reported in sands of Magothy aquifer), diam 6 to 4 in (15 to 10 cm), depth 282 ft (86 m), slotted 278-282 ft (85-86 m). Lsd 92.5 ft (28.2 m) above msl. MP top of 6-in (15-cm) nipple, 0.77 ft (0.23 m) above lsd. Highest water level 79.92 ft (24.36 m) above msl, July 25, 1957; lowest 59.12 ft (18.02 m) above msl, Feb. 24, 1967. Records available: 1947-74. Mar. 21, 1973, +67.26; Apr. 8, 1974, +70.37; June 19, +70.46; July 15, +69.11; Oct. 2, +69.76; Dec. 16, +70.67.

404619073270602. Local number N3355. U.S. Geol. Survey. Round Swamp Rd., Plainview. Drilled observation artesian well in Lloyd aquifer, diam 8 to 4 in (20 to 10 cm), depth 1,090 ft (332 m), screened 1,070-1,090 ft (326-332 m). Lsd 183.3 ft (55.9 m) above msl. MP top of casing, 0.76 ft (0.23 m) below lsd. Highest water level 36.52 ft (11.13 m) above msl, Apr. 9, 1957; lowest 23.18 ft (7.07 m) above msl, Apr. 11, 1972. Records available: 1951-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 16, 1973	+25.66	Sept. 21, 1973	+29.81	Apr. 8, 1974	+30.53	Oct. 1, 1974	+29.47
Mar. 28	25.75	Dec. 27	29.66	June 19	29.75	Dec. 19	30.65
June 27	31.57						

Queens County

40451073475001. Local number Q283. City of New York, Dept. of Water Supply, Gas and Electricity. Underhill Ave. and 171st St., Flushing. Driven unused artesian well in Lloyd aquifer, diam 26 to 12 in (66 to 30 cm), depth 409 ft (125 m), screened 309-352, 367-409 ft (94-107, 112-125 m). Lsd 27.0 ft (8.2 m) above msl. MP top of iron plate, 0.37 ft (0.11 m) above lsd. Highest water level 5.48 ft (1.67 m) above msl, Apr. 7, 1955; lowest 15.78 ft (4.81 m) below msl, Aug. 5, 1971. Records available: 1946-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10, 1973	-11.25	Sept. 27, 1973	-11.02	Mar. 20, 1974	-4.15	Sept. 25, 1974	-11.67
Apr. 4	10.02	Jan. 17, 1974	10.03	June 25	12.03	Dec. 18	3.60
June 26	10.33						

404157073480102. Local number Q1252. U.S. Geol. Survey. Liberty Ave. and 157th St., Jamaica. Driven observation water-table well in upper glacial aquifer (previously reported in deposits of late Pleistocene age), diam 1½ in (3.2 cm), depth 60 ft (18 m), screened 50-80 ft (15-24 m), previously reported 58-60 ft (17.7-18.3 m). Lsd 31.2 ft (9.5 m) above msl. MP top of 1½-in (3.2-cm) coupling, 0.31 ft (0.09 m) above lsd. Highest water level 13.92 ft (4.24 m) above msl, Nov. 2, 1968; lowest 2.81 ft (0.86 m) below msl, Feb. 9, 1971. Records available: 1940-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 4, 1973	-0.62	Sept. 27, 1973	+0.24	Mar. 21, 1974	-1.13	Sept. 25, 1974	-0.95
June 25	-1.36	Jan. 7, 1974	-1.19	June 26	1.41	Dec. 18	.34

403957073495002. Local number Q2324. New York Racing Association, Inc. North Conduit Ave. and 114th St., Aqueduct. Driven observation water-table well in upper glacial aquifer (previously reported in deposits of late Pleistocene age), diam 2.5 in (6.4 cm), depth 91 ft (28 m), screen assumed at bottom. Lsd 22.0 ft (6.7 m) above msl. MP top of 2.5-in (6.4-cm) coupling, at lsd. Highest water level 1.93 ft (0.59 m) above msl, Apr. 27, 1961; lowest 3.40 ft (1.04 m) below msl, May 25, 1959. Records available: 1959-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Apr. 4, 1973	+1.57	Jan. 17, 1974	+1.20	June 25, 1974	+1.47	Sept. 25, 1974	+1.69
Sept. 27	1.15	Mar. 21	1.17	Sept. 3	1.48	Dec. 18	1.84

Suffolk County

404614073164401. Local number S1810. U.S. Geol. Survey. Gardiner Dr., Pineaire. Driven observation water-table well in upper glacial aquifer (previously reported in deposits of late Pleistocene age), diam 1½ in (3.2 cm), depth 56 ft (17 m), screened 54-56 ft (16-17 m). Lsd 90.1 ft (27.5 m) above msl. MP top of casing, 1.03 ft (0.31 m) above lsd. Highest water level 56.19 ft (17.13 m) above msl, Apr. 29, 1939; lowest 43.30 ft (13.20 m) above msl, Feb. 27, 1967. Records available: 1912-14, 1932-74.

Date	Water level						
Jan. 26, 1973	+50.25	July 25, 1973	+53.69	Jan. 28, 1974	+51.62	July 23, 1974	+50.23
Feb. 22	51.31	Aug. 27	53.25	Feb. 22	51.83	Aug. 27	50.75
Mar. 27	51.48	Sept. 24	52.71	Mar. 22	51.84	Sept. 24	50.63
Apr. 27	52.94	Oct. 24	52.07	Apr. 24	52.45	Oct. 24	50.17
May 29	53.58	Nov. 26	51.47	May 23	52.64	Nov. 25	49.95
June 25	53.13	Dec. 21	51.68	June 24	52.11	Dec. 24	50.48

405146073031901. Local number S3513. New York State Dept. of Transportation. State Hwy. 25, Selden. Drilled unused water-table well in upper glacial aquifer (previously reported in deposits of late Pleistocene age), diam 8 in (20 cm), depth 65 ft (20 m), screened 63-65 ft (19-20 m). Lsd 102.1 ft (31.1 m) above msl. MP top of reducer, 0.21 ft (0.06 m) above lsd. Highest water level 67.63 ft (20.61 m) above msl, Mar. 5, 1952; lowest 56.06 ft (17.09 m) above msl, Mar. 1, 1967. Records available: 1942-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 28, 1973	+63.33	Jan. 23, 1974	+64.73	Aug. 29, 1974	+65.07	Nov. 27, 1974	+64.18
June 26	65.31	Apr. 4	65.63	Sept. 30	64.84	Dec. 31	63.96
Aug. 10	65.01	July 16	65.86	Oct. 31	64.42		

GROUND-WATER LEVELS, 1973-74, NORTHEASTERN STATES

405030073181401. Local number S3514. Heatherwood Shopping Center, Jericho Turnpike, Commack. Dug unused water-table well in upper glacial aquifer (previously reported in deposits of late Pleistocene age), diam 30 in (76 cm), depth 98 ft (30 m), brick-lined. Lsd 153.6 ft (46.8 m) above msl. MP top of 2-in (5.1-cm) coupling, 0.18 ft (0.05 m) above lsd. Highest water level 73.72 ft (22.47 m) above msl, June 25, 1973; lowest 64.23 ft (19.58 m) above msl, Mar. 18, 26, 1951. Records available: 1942-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 27, 1973	+72.65	Oct. 10, 1973	+73.24	July 12, 1974	+72.64	Oct. 30, 1974	+72.34
Apr. 30	73.26	Jan. 14, 1974	70.32	Aug. 29	72.23	Nov. 26	72.00
June 25	73.72	Apr. 15	70.48	Sept. 30	72.59	Dec. 31	71.94

405037072390301. Local number S3543. City of New York, Board of Water Supply. West of Old Riverhead Rd., Westhampton. Driven observation water-table well in upper glacial aquifer (previously reported in deposits of late Pleistocene age), diam 2 in (5.1 cm), depth 58 ft (18 m), screened 56-58 ft (17-18 m). Lsd 64.4 ft (19.6 m) above msl. MP top of casing, 0.04 ft (0.01 m) above lsd. Highest water level 21.46 ft (6.54 m) above msl, June 24, 1958; lowest 15.03 ft (4.58 m) above msl, Jan. 26, 1967. Records available: 1907-09, 1942-43, 1947-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 30, 1973	+20.12	Dec. 26, 1973	+18.90	Sept. 30, 1974	+18.08	Nov. 27, 1974	+17.45
July 2	21.24	Mar. 29, 1974	18.35	Oct. 31	17.74	Dec. 27	17.20
Oct. 4	20.23	July	18.90				

405743072425701. Local number S4271. U.S. Geol. Survey. Long Island Research Farm, Riverhead. Drilled observation water-table well in upper glacial aquifer (previously reported in deposits of late Pleistocene age), diam 4 in (10 cm), depth 105 ft (32 m), screened 100-105 ft (30-32 m). Lsd 100.3 ft (30.6 m) above msl. MP top of 4-in (10-cm) coupling, 1.14 ft (0.35 m) above lsd. Highest water level 13.07 ft (3.98 m) above msl, July 23, 30, 1973; lowest 8.16 ft (2.49 m) above msl, Sept. 5, 1966. Records available: 1945-74.

Jan. 8, 1973	+11.78	May 21, 1973	+12.84	Sept. 24, 1973	+12.87	Dec. 31, 1973	+12.22
15	11.84	June 4	12.95	Oct. 1	12.84	Jan. 7, 1974	12.19
22	11.91	11	12.99	8	12.79	14	12.08
Feb. 12	11.88	18	13.01	14	12.74	21	12.06
19	11.94	25	12.89	22	12.65	28	12.06
26	11.95	July 2	12.96	29	12.62	Feb. 25	11.86
Mar. 5	12.07	9	12.92	Nov. 4	12.60	Mar. 25	11.77
12	12.08	16	13.03	11	12.55	Apr. 29	11.72
19	12.15	23	13.07	18	12.51	May 27	11.81
26	12.20	30	13.07	25	12.49	June 24	11.76
Apr. 9	12.40	Aug. 13	13.01	Dec. 3	12.38	July 29	11.15
16	12.31	27	13.00	9	12.38	Aug. 26	10.54
23	12.55	Sept. 3	13.01	16	12.37	Sept. 30	10.85
May 7	12.70	10	12.89	24	12.24	Oct. 28	10.84
14	12.78	17	12.89				

405149072532201. Local number S5517. Brookhaven National Laboratory, Upton Rd. and Princeton Ave., Upton. Drilled observation water-table well in upper glacial aquifer (previously reported in deposits of late Pleistocene age), diam 4 in (10 cm), depth 91 ft (28 m), screened 85-91 ft (26-28 m). Lsd 115.0 ft (35.1 m) above msl. MP top of casing, 0.04 ft (0.01 m) above lsd. Highest water level 46.93 ft (14.30 m) above msl, June 25, 1958; lowest 33.34 ft (10.16 m) above msl, Mar. 1, 1967. Records available: 1948-74.

Apr. 5, 1973	+42.14	Dec. 26, 1973	+41.70	Sept. 30, 1974	+40.46	Nov. 27, 1974	+39.51
June 28	43.80	Mar. 20, 1974	41.45	Oct. 31	39.70	Dec. 31	39.14
Sept. 26	43.57	June 11	43.38				

405223072523401. Local number S6434. Brookhaven National Laboratory. 10th St. and Fourth Ave., Upton. Drilled observation artesian well in Lloyd aquifer, diam 10 in (25 cm), depth 1,395 ft (425 m), screened 1,312-1,392 ft (400-424 m). Lsd 85.0 ft (25.9 m) above msl. MP top of 2-in (5.1-cm) nipple, 2.21 ft (0.67 m) above lsd. Highest water level 35.20 ft (10.73 m) above msl, July 29, 1958; lowest 28.74 ft (8.76 m) above msl, Mar. 1, 1967. Records available: 1949-74.

Apr. 5, 1973	+33.81	Sept. 26, 1973	+33.78	Mar. 20, 1974	+33.50	Sept. 20, 1974	+33.03
July 2	34.19	Dec. 26	33.52	June 11	33.93	Dec. 31	32.35

405223072523402. Local number S6455. Brookhaven National Laboratory. 10th St. and Fourth Ave., Upton. Drilled observation artesian well in Magothy aquifer (previously reported in sands of Magothy aquifer), diam 4 in (10 cm), depth 962 ft (293 m), screened 952-962 ft (290-293 m). Lsd 84.6 ft (25.8 m) above msl. MP top of casing, 0.16 ft (0.05 m) below lsd. Highest water level 41.70 ft (12.71 m) above msl, June 25, 1958; lowest 33.82 ft (10.31 m) above msl, Dec. 27, 1966, Mar. 1, 1967. Records available: 1949-52, 1954-74.

Mar. 22, 1973	+40.00	Sept. 26, 1973	+40.05	Mar. 20, 1974	+39.68	Sept. 20, 1974	+38.70
Apr. 5	40.43	Dec. 26	39.59	June 11	40.06	Dec. 31	38.04
July 2	41.03						

410100072292501. Local number S6542. Cutchogue Fire Dept. Depot Lane, Cutchogue. Drilled fire-protection water-table well in upper glacial aquifer (previously reported in deposits of late Pleistocene age), diam 6 in (15 cm), depth 36 ft (11 m), screen assumed at bottom. Lsd 24.4 ft (7.4 m) above msl. MP bottom edge of hose connection, 1.79 ft (0.55 m) above lsd. Highest water level 8.27 ft (2.52 m) above msl, May 29, 1958; lowest 2.66 ft (0.81 m) above msl, Aug. 31, 1960. Records available: 1949-74. Mar. 29, 1973, +7.48; June 19, +7.71; Sept. 27, +6.63; Dec. 21, +5.57; Mar. 21, 1974, +6.16; June 11, +6.31; Sept. 19, +4.46.

W05309072233001. Local number S8836. Southampton Fire Dept., Southampton. Drilled fire-protection water-table well in upper glacial aquifer (previously reported in deposits of late Pleistocene age), diam 8 in (20 cm), depth 37 ft (11 m), screen assumed at bottom. Lsd 17.4 ft (5.3 m) above msl. Mt top of casing, 1.47 ft (0.45 m) above lsd. Highest water level 9.08 ft (2.77 m) above msl. Mar. 29, 1973; lowest 4.93 ft (1.50 m) above msl, Aug. 30, 1968. Records available: 1950-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 1, 1973	+7.98	Aug. 1, 1973	+7.41	Mar. 4, 1974	+7.24	Sept. 18, 1974	+6.36
29	9.08	31	6.82	Apr. 10	6.89	Oct. 21	5.90
May 8	8.59	Oct. 4	6.59	June 26	6.92	Dec. 27	5.89
June 1	8.53	Dec. 21	6.75				

OHIO

The observation-well program was continued in Ohio during the period 1973 through 1974 in cooperation with the Ohio Department of Natural Resources, Division of Water, and the Miami Conservancy District. Figure 11 shows the location of observation wells included in this report.

Well-Numbering System

Wells are numbered according to their latitude-longitude location, as explained on page 1. Local well numbers are also given.

The local well numbers are designated by abbreviations derived from county names and by serial numbers. The letter "a" after the serial number indicates a well whose record is considered to be an extension of that of the well having a corresponding number. For example, the record of Wn-2a may be used as continuation of the record of well Wn-2.

Well Descriptions and Water-Level Measurements

Water levels are reported in feet below land-surface datum, unless otherwise indicated.

Auglaize County

403313083535200. Local number Au-1. C. W. Manchester. Near New Hampshire. Drilled unused artesian well in limestone, diam 4 in (10 cm), depth 96 ft (29 m), casing information not available. Lsd 1,035 ft (315 m) above msl. MP floor of instrument shelter, 3.70 ft (1.13 m) above lsd. Highest water level 14.33 ft (4.37 m) below lsd, Apr. 11, 1948; lowest 27.35 ft (8.34 m) below lsd, Jan. 21, 22, 1965. Records available: 1946-74. Measurement discontinued June 25, 1974.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	20.65	20.87	20.18	20.27	20.35	20.62	20.95	21.06	21.83	22.25	22.06
10	....	20.68	20.71	20.13	20.20	20.56	20.67	20.94	21.17	21.96	22.47	21.96
15	20.45	20.52	20.50	20.17	20.18	20.56	20.74	20.76	21.41	21.96	22.33	21.74
20	20.47	20.68	20.35	20.18	20.16	20.56	20.98	20.73	21.48	22.23	22.40	21.62
25	20.67	20.77	20.33	20.16	20.20	20.61	20.61	20.73	21.63	22.11	22.42	21.55
Eom	20.84	20.84	20.24	20.15	20.43	20.60	20.78	21.08	21.70	22.09	22.34	21.47

1974

5	21.31	....	20.64	20.26	20.78	21.32	....	....	....	....	....	....
10	21.25	20.53	20.66	20.28	20.74	21.34	....	....	....	....	....	....
15	....	20.58	....	20.31	20.76	21.54	....	....	....	....	....	....
20	....	20.64	....	20.41	20.93	21.66	....	....	....	....	....	....
25	....	20.70	....	20.56	20.98	21.62	....	....	....	....	....	....
Eom	....	20.82	....	20.65	21.14	....	....	....	....	....	....	....

Belmont County

400619080423200. Local number B-1. City of Martins Ferry. Drilled unused water-table well in gravel; diam 40 in (102 cm); depth 61 ft (19 m), previously reported 79 ft (24 m); cased. Lsd 650 ft (195 m) above msl. MP floor of instrument platform, 13.40 ft (4.08 m) above lsd (since January 1973). Highest water level 0.05 ft (0.02 m) below lsd, Mar. 11, 1964; lowest (revised), 38.95 ft (11.87 m) below lsd, Sept. 27, 1968. Records available: 1948-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	30.60	28.50	....	30.00	29.20	33.43	36.27	36.25	37.06	34.85	32.92	32.40
10	35.10	39.90	....	29.15	28.50	34.10	36.54	36.78	36.39	35.45	34.40	33.85
15	35.40	33.45	....	31.40	30.14	35.45	36.81	35.40	36.38	35.15	34.65	31.20
20	34.85	35.10	....	31.53	32.30	35.36	37.00	35.67	36.31	35.11	34.49	33.15
25	34.51	....	34.54	31.58	32.50	35.51	36.16	36.10	36.31	35.32	33.50	29.70
Eom	33.68	....	31.75	25.80	33.09	35.49	36.70	36.90	34.37	32.15	30.80	25.60

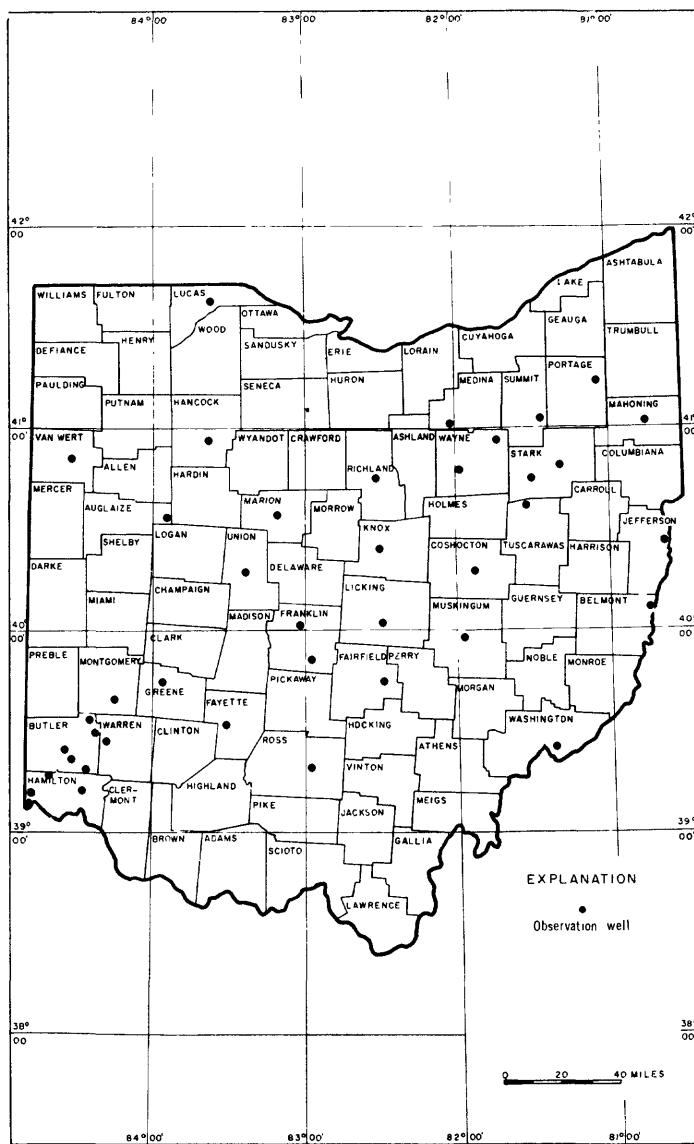


Figure 11.--Location of observation wells in Ohio, 1973-74.

GROUND-WATER LEVELS, 1973-74, NORTHEASTERN STATES

400619080423200--Continued.

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	27.81	33.00	31.23	26.83	34.32	32.08	31.91	36.10	32.13	36.37	.....	33.82
10	33.33	33.44	25.00	28.30	35.60	35.43	35.35	36.00	36.25	37.15	.....	29.93
15	30.40	33.98	28.77	30.01	28.40	36.24	35.78	36.55	35.17	37.44	35.72	31.58
20	23.00	33.56	32.03	34.95	31.54	36.07	36.71	36.36	36.55	36.70	35.85	32.50
25	25.09	33.53	32.71	34.42	33.33	29.60	36.61	36.80	36.30	37.11	33.55	31.81
Eom	28.75	34.50	32.90	35.45	34.10	33.05	36.53	.....	36.90	37.25	32.70	31.05

Butler County

392939084231700. Local number Bu-3. Armco Steel Corp. Formerly American Rolling Mill Co. Middletown. Drilled unused artesian well in gravel, diam 24 in (61 cm), depth 250 ft (76 m), cased to 250 ft (76 m). Lsd 670 ft (204 m) above msl. MP floor of instrument shelter, 1.08 ft (0.33 m) above lsd. Highest water level 57.59 ft (17.55 m) below lsd, May 28, 1974; lowest 147.27 ft (44.89 m) below lsd, Apr. 4, 1955. Records available: 1955-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	72.38	71.51	68.36	66.68	65.29	62.77	65.36	64.55	.....	63.81	62.81	62.86
10	72.30	71.61	68.54	66.71	65.94	62.74	65.25	64.35	.....	62.86	63.35	62.81
15	72.13	70.33	68.51	66.46	66.07	62.75	65.34	62.19	65.30	62.73	63.00	62.86
20	72.02	69.75	66.17	65.06	65.20	63.50	64.06	63.12	65.33	64.41	63.23	61.36
25	71.69	68.47	67.18	64.62	63.40	65.23	65.06	62.25	65.56	63.03	62.21	61.44
Eom	71.40	67.30	68.25	65.30	62.52	66.02	64.50	65.19	65.46	62.51	64.75	63.53

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	62.97	.....	.....	60.59	59.60	60.75	61.52	60.77	62.45	61.79	61.76	62.16
10	62.75	.....	.....	61.66	59.34	58.43	61.91	60.83	63.80	61.46	61.81	61.78
15	.....	.....	61.05	61.38	59.02	58.20	63.50	61.12	61.89	61.62	62.30	61.40
20	.....	.....	61.95	62.12	59.20	58.53	64.74	62.23	62.61	61.61	62.40	61.76
25	.....	.....	62.25	61.30	58.74	58.46	65.04	62.75	62.82	61.52	61.75	61.47
Eom	.....	.....	62.03	61.25	60.84	60.44	61.15	63.21	63.65	61.57	61.71	62.08

392553084314900. Local number Bu-4. Armco Steel Corp. New Miami. Drilled unused artesian well in gravel, diam 26 in (66 cm), depth 177 ft (54 m), cased to 177 ft (54 m). Lsd 600 ft (183 m) above msl. MP floor of instrument shelter, 3.00 ft (0.91 m) above lsd. Highest water level 18.15 ft (5.53 m) below lsd, Jan. 24, 1959; lowest 47.95 ft (14.62 m) below lsd, Dec. 28, 1954. Records available: 1949-74. Measurement discontinued June 15, 1974.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	31.75	30.08	31.73	28.82	29.79	31.61	31.00	30.62	32.37	.....	32.33	29.65
10	31.90	30.52	31.48	28.60	.....	29.15	31.05	31.55	.....	32.64	31.61	30.04
15	32.15	30.78	30.87	.....	.....	31.07	31.65	31.15	33.33	33.00	31.30	30.36
20	31.87	30.65	28.92	.....	.....	31.57	31.85	30.92	33.54	31.82	31.60	30.95
25	32.00	31.02	29.42	29.20	31.54	30.43	30.24	31.31	33.70	32.08	31.00	31.00
Eom	29.31	31.46	29.40	29.73	31.42	30.85	29.12	32.07	.....	32.26	29.58	29.71

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	30.64	29.10	30.73	33.05	.....	.....	.....	.....	.....	.....
10	30.88	28.29	31.25	33.60	.....	.....	.....	.....	.....	.....
15	31.35	28.63	31.32	33.90	.....	.....	.....	.....	.....	.....
20	31.19	29.20	31.85	.....	.....	.....	.....	.....	.....	.....
25	31.55	30.32	31.81	.....	.....	.....	.....	.....	.....	.....
Eom	30.29	30.87	31.60	32.72	.....	.....	.....	.....	.....	.....	.....	.....

392048084311400. Local number Bu-8. City of Hamilton. At Fairfield. Drilled unused artesian well in gravel, diam 6 in (15 cm), depth 200 ft (61 m), cased to 200 ft (61 m). Lsd 630 ft (192 m) above msl. MP floor of instrument shelter, 4.13 ft (1.26 m) above lsd. Highest water level 38.20 ft (11.64 m) below lsd, June 8, 1947; lowest 71.70 ft (21.85 m) below lsd, Oct. 24, 1944. Records available: 1944-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	48.47	47.97	48.45	44.82	42.94	43.29	43.10	42.80	46.03	48.91	50.13	48.58
10	48.17	48.00	48.62	44.33	43.04	43.57	42.56	43.15	46.63	48.81	51.10	48.53
15	48.26	47.80	48.09	44.54	43.59	44.00	42.99	43.81	47.27	49.10	50.98	48.91
20	48.54	48.01	47.08	43.63	43.80	44.48	43.55	44.34	44.34	47.76	49.41	51.46
25	48.52	48.28	46.45	42.78	44.06	43.77	43.26	45.06	48.22	49.63	51.53	49.07
Eom	48.21	48.50	45.69	42.70	43.33	43.33	42.21	45.99	48.63	50.00	49.92	48.60

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	48.46	46.17	46.05	44.24	44.33	45.81	45.69	49.02	50.19	49.15	50.30	50.46
10	48.64	45.71	46.31	43.45	44.37	46.12	46.29	49.41	49.94	49.36	50.31	49.89
15	48.62	45.87	46.11	43.17	44.61	46.78	46.84	49.96	49.66	49.65	50.33	49.55
20	48.20	46.00	46.17	43.68	44.93	47.40	47.42	50.39	49.45	49.50	49.88	50.12
25	47.37	46.17	46.57	43.98	45.03	46.04	47.93	50.20	49.47	49.47	50.61	49.04
Eom	46.11	46.13	46.34	44.01	45.29	45.19	48.60	50.76	49.57	50.26	50.24	49.24

391805084261800 (revised). Local number Bu-9. Olin Mathieson Corp. Formerly Fox Paper Co. Near Sharonville (previously reported Crestville). Drilled unused artesian well in gravel; diam 26 in (66 cm); depth 85 ft (26 m), previously reported 90 ft (27 m); cased. Lsd 586.89 ft (178.88 m) above msl. MP floor of instrument shelter, 4.66 ft (1.42 m) above lsd. Highest water level 3.77 ft (1.15 m) below lsd, Jan. 27, 1949; lowest 24.40 ft (7.44 m) below lsd, Mar. 16, 1954. Records available: 1938-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	10.31	11.62	12.37	9.93	9.64	10.62	9.08	9.67	.....	.....	13.09	9.54
10	10.70	11.83	12.47	9.89	10.15	10.50	9.77	10.36	.....	.....	13.25	10.44
15	11.02	11.70	11.95	10.50	11.01	11.05	10.52	11.00	.....	.....	12.86	11.13
20	11.52	12.01	10.41	9.61	11.32	11.52	11.23	.....	.....	12.62	13.16	11.32
25	11.96	12.32	10.39	8.50	11.55	9.88	9.50	.....	.....	12.70	12.47	11.08
Eom	11.90	12.53	10.08	8.56	10.49	8.47	8.28	.....	.....	12.62	9.20	10.41

1974

5	10.69	10.07	11.37	8.35	10.77	10.54	10.85	13.51	12.29	11.90	.....	11.28
10	11.15	10.27	11.77	8.34	10.97	11.09	11.22	13.75	12.37	12.14	.....	10.58
15	11.07	10.95	11.17	8.92	11.36	11.36	11.37	14.19	11.65	12.32	11.97	10.72
20	9.90	11.35	11.37	9.96	10.65	11.86	11.77	14.36	11.88	12.43	12.20	10.80
25	9.65	11.42	11.72	10.60	10.84	9.34	12.31	14.52	12.23	12.23	.....	11.28
Eom	9.52	11.21	11.33	10.97	11.05	9.93	13.13	13.59	12.08	12.40	12.12	11.37

39320208241500. Local number Bu-15. City of Middletown. Middletown Municipal Airport. Drilled test water-table well in gravel, diam 6 in (15 cm), depth 27 ft (8 m), cased. Lsd 641 ft (195 m) above msl. MP floor of instrument shelter, 3.50 ft (1.07 m) above lsd. Highest water level 4.86 ft (1.48 m) below lsd, Nov. 16, 1972; lowest 13.16 ft (4.01 m) below lsd, Aug. 23, 1972. Records available: 1972-74.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	11.09	12.53	12.54	10.40	7.87	9.65
10	11.50	12.61	12.45	11.02	7.45	7.29
15	11.92	12.77	12.27	11.40	7.25	7.50
20	10.75	11.95	13.08	11.83	11.48	6.60	8.88
25	11.42	12.29	13.15	12.20	11.92	8.53	8.62
Eom	11.25	12.11	12.61	10.56	12.42	8.78	8.71

1973

5	8.58	9.77	11.39	7.70	9.74	10.05	8.69	10.58	11.13	11.57	12.50	9.66
10	9.52	10.49	10.24	7.88	9.56	8.43	9.77	10.82	10.76	11.87	12.55	10.79
15	10.04	10.94	8.78	7.58	9.60	8.98	10.58	9.27	11.22	12.30	12.24	10.57
20	10.40	10.47	5.46	7.90	10.23	9.08	10.74	8.36	11.68	12.25	12.14	11.52
25	10.32	11.45	7.83	7.89	10.56	8.75	9.25	10.18	11.82	12.30	12.27	11.66
Eom	9.36	11.31	6.94	8.25	10.10	8.79	9.45	11.09	11.88	12.10	8.66	8.34

1974

5	9.54	8.88	9.52	7.55	10.20	10.56	10.36	11.45	9.90	11.83	11.50	11.82
10	10.81	9.36	9.61	7.53	10.44	10.83	10.92	11.52	10.52	12.08	11.26	10.49
15	11.32	9.78	10.15	7.60	10.77	11.21	11.24	11.94	11.01	12.22	10.98	10.24
20	8.25	9.93	10.26	9.22	9.72	11.43	12.00	11.53	11.58	12.05	11.58	10.13
25	6.57	9.03	10.80	9.83	10.49	7.91	10.65	11.77	12.08	11.84	11.67	10.62
Eom	7.30	9.61	9.73	10.06	10.36	9.75	12.58	10.65	11.73	11.68	11.58	9.99

Coshocton County

401735081523800. Local number Cs-2. Coshocton Waterworks. Near Coshocton. Drilled unused water-table well in gravel, diam 6 in (15 cm), depth 40 ft (12 m), cased to 40 ft (12 m). Lsd 740 ft (226 m) above msl. MP floor of instrument shelter, 8.50 ft (2.59 m) above lsd. Highest water level 0.43 ft (0.13 m) below lsd, Feb. 21, 1951; lowest 17.75 ft (5.41 m) below lsd, Nov. 15, 1973. Records available: 1949-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	12.55	10.53	13.56	11.47	12.96	13.81	13.83	15.93	16.76	16.43	16.43	12.92
10	12.44	11.39	13.20	11.00	13.86	14.11	13.44	16.49	16.40	16.57	17.07	14.33
15	13.78	13.62	12.06	10.65	12.57	14.17	14.91	16.09	16.37	16.27	17.75	15.00
20	14.50	14.05	7.47	10.36	14.37	12.93	15.98	15.85	16.84	16.90	17.56	15.81
25	14.07	14.10	7.90	12.60	14.30	12.60	15.63	16.26	16.95	16.70	16.27	13.15
Eom	12.80	14.74	9.72	11.59	13.17	12.97	15.37	16.81	16.40	16.50	10.40	11.29

1974

5	12.32	9.94	12.50	5.06	13.65	14.74	14.03	15.95	.....	.....	.....	.....
10	14.50	11.34	11.72	6.16	14.04	14.97	15.18	16.64	.....	.....	.....	.....
15	15.19	13.31	10.55	9.80	12.50	15.77	15.01	16.41	.....	.....	.....	.....
20	10.75	13.86	10.72	12.35	13.65	15.57	16.02	15.98	.....	.....	.....	.....
25	6.65	13.18	12.31	13.54	13.95	15.10	16.64	16.36	.....	.....	.....	.....
Eom	7.85	12.81	10.30	14.06	14.20	14.09	16.25	15.42	.....	.....	.....	.....

Fairfield County

394544082271000. Local number F-1. Formerly F-1a. State of Ohio. West Rushville. Drilled test artesian well in sandstone; diam 6 in (15 cm); depth 84 ft (26 m), previously reported 74 ft (23 m); casing information not available. Lsd 980 ft (299 m) above msl. MP floor of shelter, 8.02 ft (2.44 m) above lsd. Highest water level 7.27 ft (2.22 m) below lsd, May 5, 6, 1962; lowest 19.81 ft (6.04 m) below lsd, Mar. 1-4, 1964. Records available: 1946-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	10.58	11.62	12.07	12.91	10.84	12.87	14.64	15.66	15.87	16.63	17.27	15.58
10	10.67	11.39	12.53	12.67	10.90	13.13	14.95	15.62	16.04	16.72	17.33	15.10
15	10.76	11.29	13.03	11.77	11.20	13.45	15.27	15.66	16.22	16.82	17.37	14.87
20	11.03	11.37	13.25	11.34	11.64	13.77	15.58	15.67	16.38	16.94	17.37	14.87
25	11.42	11.47	13.26	11.04	12.09	14.07	15.75	15.65	16.49	17.08	17.38	14.87
Eom	11.69	11.65	13.12	10.95	12.61	14.34	15.78	15.72	16.57	17.20	16.88	14.60

1974

5	14.15	12.21	12.82	13.17	13.60	14.55	13.83	15.35	15.92	15.39	16.83	17.08
10	14.03	12.24	13.03	12.07	14.12	14.15	13.86	15.48	15.13	15.62	16.95	16.62
15	13.87	12.24	13.41	11.62	14.56	14.19	14.07	15.52	14.92	15.84	17.11	15.90
20	13.46	12.31	13.58	11.73	14.90	14.37	14.42	15.57	14.93	16.06	17.23	15.14
25	12.93	12.48	13.64	12.27	14.93	14.52	14.77	15.72	15.02	16.31	17.27	14.72
Eom	12.41	12.63	13.73	13.02	14.93	14.19	15.18	15.92	15.17	16.67	17.27	14.29

Fayette County

393153083322000. Local number Fa-1. Martha Slagle. Near Jasper Mills. Drilled unused artesian well in limestone, diam 5 in (13 cm); depth 78 ft (24 m), casing information not available. Lsd 1,010 ft (308 m) above msl. MP floor of instrument shelter, 3.30 ft (1.01 m) above lsd. Highest water level 3.26 ft (0.99 m) below lsd, Apr. 28, 1964; lowest 12.85 ft (3.92 m) below lsd, Jan. 17, 19, 1954. Records available: 1946-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	7.70	7.75	7.05	6.50	6.85	8.10	7.25	7.15	7.70	8.00	8.15	7.23
10	6.60	7.20	7.70	6.60	6.60	7.30	7.50	7.10	7.85	8.10	8.35	7.09
15	7.00	6.40	7.20	7.10	6.85	7.00	7.50	7.15	8.25	8.10	8.30	7.10
20	7.60	7.00	6.95	6.55	6.90	7.15	7.75	7.25	8.00	8.30	8.30	7.05
25	6.80	7.45	7.40	6.20	7.00	7.25	7.25	7.30	8.30	8.35	8.15	6.85
Eom	6.80	7.55	7.35	6.35	7.20	7.15	7.30	7.55	8.35	8.00	7.65	6.80

1974

5	6.70	6.62	6.80	6.80	7.25	7.40	7.25	8.35	7.80	...	7.60	7.40
10	6.70	6.58	6.93	6.69	7.20	7.40	7.55	7.95	7.80	...	7.65	7.40
15	6.70	6.67	6.85	6.71	7.40	7.75	7.80	8.70	7.55	...	7.50	7.35
20	6.65	6.69	7.08	6.80	7.40	7.55	8.05	8.90	7.65	...	7.30	6.90
25	6.45	6.75	7.03	6.95	7.65	7.30	7.85	10.05	7.55	...	7.45	6.95
Eom	6.40	6.67	7.00	7.20	7.60	7.25	7.85	8.50	7.75	...	7.65	6.80

Franklin County

395118082573300. Local number Fr-3. R. Hamm. Near Reese. Drilled test water-table well in gravel; diam 12 in (30 cm); depth 53 ft (16 m), previously reported 60 ft (18 m); cased. Lsd 712.94 ft (217.30 m) above msl. MP floor of instrument shelter, 3.43 ft (1.05 m) above lsd. Highest water level (revised), 0.0 ft (0.0 m) Jan. 22, 1959; lowest 20.75 ft (6.32 m) below lsd, July 7, 1966. Records available: 1946-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	8.77	9.36	11.16	9.89	10.39	11.20	10.12	11.45	11.75	11.20	11.59	9.56
10	10.23	10.46	11.21	9.73	10.82	10.30	10.80	11.71	11.84	11.90	11.93	10.50
15	11.00	10.84	10.94	9.34	10.77	10.25	11.11	10.60	12.08	11.98	11.03	10.82
20	11.10	10.88	9.20	9.03	11.16	8.24	11.50	11.23	12.20	12.23	11.75	11.05
25	11.62	11.25	10.32	9.82	11.35	8.80	10.78	11.60	12.15	12.28	11.25	10.60
Eom	10.88	11.35	9.75	9.45	11.01	9.93	10.72	11.90	12.28	11.45	8.38	9.76

1974

5	10.60	10.14	10.61	6.85	11.09	11.55	11.64	12.04	11.55	12.40	12.19	11.31
10	10.83	9.63	10.78	8.77	11.27	11.68	11.64	12.21	12.07	12.49	...	11.02
15	10.85	10.20	10.90	9.86	11.33	11.81	11.98	12.24	12.07	12.42	...	11.23
20	8.20	10.47	10.78	10.44	10.91	11.75	12.15	11.95	12.27	12.28	...	11.20
25	8.76	10.28	10.84	10.66	11.04	11.12	12.21	12.29	12.24	12.39	...	11.00
Eom	9.51	10.49	8.40	10.98	11.31	11.22	12.31	11.80	12.13	12.46	11.67	11.27

400101083021800. Local number Fr-10. State of Ohio. Ohio State University Farms. Drilled unused artesian well in gravel, diam 4 in (10 cm), depth 75 ft (23 m), cased to 75 ft (23 m). Lsd 780 ft (238 m) above msl. MP floor of instrument shelter, 4.00 ft (1.22 m) above lsd. Highest water level 37.75 ft (11.51 m) below lsd, Apr. 14, 1951; lowest 48.20 ft (14.69 m) below lsd, Oct. 7, 1954. Records available: 1944-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	43.43	42.93	42.78	42.45	41.97	42.25	41.68	42.70	43.46	43.77	43.60	43.02
10	43.38	43.05	42.82	42.33	41.83	42.30	41.76	42.64	43.33	43.78	43.73	43.05
15	43.31	42.83	42.71	42.43	42.14	42.36	41.97	42.99	43.50	43.74	43.33	42.18
20	43.17	42.87	42.71	42.27	.....	41.83	42.50	42.84	44.23	43.70	43.47	42.97
25	43.12	42.93	42.59	41.97	.....	41.75	42.32	43.04	43.92	43.54	43.30	42.95
Eom	.....	42.95	42.57	41.94	42.20	41.65	.....	43.05	43.69	43.22	43.32	.....

1974

5	.....	42.17	41.60	41.06	40.93	41.73	41.97	43.08	43.24	43.45	.....	43.10
10	.....	43.96	41.82	41.13	41.00	41.44	42.19	42.83	43.24	.....	.....	43.00
15	.....	41.97	41.62	40.88	41.05	41.85	42.36	43.18	43.31	.....	.....	42.96
20	.....	41.82	41.52	41.15	41.15	41.80	42.53	43.30	43.47	.....	.....	42.86
25	.....	41.83	41.78	41.01	41.26	41.67	42.97	43.10	43.40	.....	.....	42.95
Eom	42.16	41.74	41.26	41.02	41.33	41.60	43.09	43.12	43.41	.....	43.07	42.65

Greene County

394411083561300. Local number Gr-1. City of Xenia. Near Xenia. Drilled unused artesian well in gravel, diam 30 in (76 cm), depth 77 ft (23 m), cased to 77 ft (23 m). Lsd 818.88 ft (249.59 m) above msl. MP floor of instrument shelter, 4.50 ft (1.37 m) above lsd. Highest water level 0.95 ft (0.29 m) below lsd, Mar. 10, 1964; lowest 21.65 ft (6.60 m) below lsd, Aug. 22, 1972. Records available: 1944-74. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	14.02	16.35	12.92	12.50	14.90	12.47	13.41	15.61	15.13	15.61	12.63
10	13.99	14.65	16.20	12.91	13.28	14.72	13.95	14.10	15.50	14.90	16.00	17.05
15	14.85	15.05	15.25	12.49	13.75	14.82	13.80	14.22	15.59	14.87	15.95	14.21
20	15.25	15.36	12.90	10.55	13.80	9.50	14.30	14.33	15.80	15.30	15.52	14.45
25	14.68	15.89	13.90	11.98	14.31	12.00	12.10	14.80	16.00	19.15	15.10	14.30
Eom	14.71	16.11	12.50	11.75	14.30	11.98	12.51	15.20	15.65	16.08	11.46	13.22

1974

5	14.00	13.45	14.34	9.10	13.91	17.27	16.78	17.55	15.68	15.39	16.55	16.50
10	14.50	13.49	14.41	10.11	14.41	17.21	17.40	17.88	16.03	16.20	15.70	15.04
15	15.99	13.98	14.80	11.60	15.44	17.39	16.31	17.54	15.45	16.42	15.62	14.45
20	12.70	14.10	15.20	12.60	15.70	17.40	.....	17.08	15.55	16.08	15.94	14.05
25	12.49	14.00	15.18	13.04	16.20	16.08	.....	17.20	16.00	16.25	16.20	14.14
Eom	12.82	14.08	14.25	13.80	16.59	16.11	18.07	16.55	15.09	16.40	16.05	14.53

Hamilton County

391214084470100. Local number H-1. R. Weber. Near Harrison. Drilled test artesian well in gravel, diam 6 in (15 cm), depth 124 ft (38 m), cased to 124 ft (38 m). Lsd 500 ft (152 m) above msl. MP floor of instrument platform, 2.70 ft (0.82 m) above lsd. Highest water level 12.70 ft (3.87 m) below lsd, Jan. 22, 1959; lowest 25.80 ft (7.86 m) below lsd, Jan. 18-20, 1964. Records available: 1949-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	20.48	21.16	19.02	20.07	20.65	20.43	20.49	21.51	22.05	22.69	21.53
10	.....	20.89	20.25	19.43	20.03	20.36	20.93	20.76	21.67	22.15	22.82	21.75
15	20.96	20.90	18.70	19.72	20.44	20.74	21.14	20.83	21.85	22.19	22.93	21.78
20	21.07	19.94	19.01	18.82	20.63	20.72	21.35	21.07	22.02	22.35	22.68	21.91
25	20.73	21.14	19.73	19.00	20.77	20.89	18.48	21.10	22.19	22.49	22.03	21.80
Eom	20.65	21.22	18.96	19.70	20.47	20.20	19.99	21.27	22.38	22.65	21.29	21.23

1974

5	21.34	20.75	20.95	19.66	20.92	21.19	21.01	22.20	21.76	21.85	21.09	.....
10	21.45	20.80	21.04	19.05	20.91	21.30	21.23	22.33	22.11	21.95	21.52	.....
15	21.25	21.02	20.96	20.11	21.09	21.47	21.41	22.50	21.67	21.30	21.49	.....
20	19.08	21.07	21.11	20.52	20.04	21.59	21.64	22.55	21.91	21.89	21.54	.....
25	20.13	20.86	21.17	20.70	20.77	20.20	21.84	22.79	21.94	21.87	21.50	.....
Eom	20.30	20.91	20.54	20.92	20.75	20.78	22.11	22.42	21.60	21.87	.....	21.19

391733084392400. Local number H-2. Southwestern Ohio Water Co. Near Venice. Drilled unused artesian well in gravel, diam 6 in (15 cm), depth 89 ft (27 m), cased to 89 ft (27 m). Lsd 535 ft (163 m) above msl. MP floor of instrument shelter, 8.97 ft (2.73 m) above lsd. Highest water level 1.20 ft (0.37 m) below lsd, June 16, 1958; lowest 24.37 ft (7.43 m) below lsd, Sept. 13, 25, 1972. Records available: 1952-58, 1960-74. Water levels affected by pumping.

GROUND-WATER LEVELS, 1973-74, NORTHEASTERN STATES

391733084392400--Continued.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	18.00	18.98	20.37	15.38	15.99	17.46	17.24	17.49	19.24	20.96	21.86	20.00
10	18.44	19.02	20.15	15.61	16.27	16.21	17.51	18.15	19.57	21.14	22.03	19.76
15	19.03	19.33	18.35	15.85	16.71	17.91	17.71	18.01	20.16	21.43	22.19	19.75
20	19.17	19.49	15.78	15.58	17.02	17.07	18.49	17.72	19.97	21.66	22.22	19.87
25	19.39	19.86	15.51	15.35	17.46	17.23	16.53	18.22	20.74	21.75	22.24	20.04
Eom	19.10	20.12	15.15	15.55	17.25	17.00	16.66	18.84	20.99	21.81	22.34	18.35

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	18.43	15.25	16.67	15.12	18.33	18.86	16.82	19.32	19.88	20.17	21.07	21.06
10	18.78	15.51	16.81	14.64	18.11	19.26	17.26	19.83	20.06	20.29	21.08	21.08
15	19.04	16.00	16.87	15.16	18.10	19.62	17.87	20.20	20.08	20.34	21.20	20.60
20	18.25	16.38	17.20	16.55	18.04	19.91	18.57	20.30	20.26	20.61	21.51	20.15
25	14.67	16.17	17.43	17.29	18.40	16.65	18.96	20.56	20.21	20.85	21.80	20.04
Eom	14.44	16.33	17.20	17.96	18.64	16.15	19.22	20.50	20.16	21.06	21.74	18.98

390653084485700. Local number H-5. E. I. du Pont de Nemours Co. Near Elizabethtown. Drilled unused water-table well in gravel, diam 8 in (20 cm), depth 122 ft (37 m), cased to 122 ft (37 m). Lsd 500 ft (152 m) above ms1. MP floor of instrument shelter, 4,00 ft (1.22 m) above lsd since January 1973. Highest water level 24.15 ft (7.36 m) below lsd, Mar. 16, 1964; lowest 74.50 ft (22.71 m) below lsd, Sept. 10, 11, 1956. Records available: 1956-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	49.48	.....	51.75	48.00	45.30	50.12	51.69	52.30	52.51	52.07	52.33	48.85
10	50.38	.....	50.22	45.51	48.53	50.60	52.11	52.50	52.48	52.35	52.23	50.73
15	51.73	50.15	50.22	46.41	47.65	51.22	52.29	52.30	52.37	52.45	52.42	51.00
20	52.15	50.90	43.10	47.42	49.41	50.90	52.30	52.22	52.26	52.43	52.13	50.88
25	50.85	51.80	45.39	47.25	49.97	51.57	51.52	52.34	52.42	52.43	51.95	48.97
Eom	50.70	52.10	47.20	41.55	48.70	51.79	52.20	52.61	52.30	52.10	44.05	43.75

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	45.38	47.56	50.69	44.85	51.79	45.47	.....	.....	.....	.....	.....	48.70
10	47.93	48.94	49.10	43.64	52.22	50.99	.....	.....	.....	.....	52.02	48.29
15	37.45	49.88	43.80	47.50	46.85	52.11	.....	.....	.....	.....	51.48	48.30
20	44.36	51.23	48.13	50.05	47.15	.....	.....	.....	.....	.....	51.38	48.52
25	43.79	50.60	46.40	51.38	50.46	.....	.....	.....	.....	.....	50.40	50.12
Eom	42.62	50.91	49.08	52.09	50.80	.....	.....	.....	.....	.....	49.96	47.38

391324004272500. Local number H-9. Diamond National Corp. Formerly Gardner-Richardson Co. South Cooper Ave., Lockland. Drilled unused artesian well in gravel; diam 10 in (25 cm); depth 163 ft (50 m), previously reported 168 ft (51 m); cased. Lsd 55.30 ft (16.92 m) above ms1. MP floor of instrument shelter, 2.76 ft (0.84 m) above lsd. Highest water level 87.25 ft (26.59 m) below lsd, Dec. 1, 1974; lowest 136.80 ft (41.70 m) below lsd, Nov. 9, 1947, Feb. 15, 1948. Records available: 1938-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	95.38	95.15	95.00	95.27	94.59	94.44	94.00	93.58	93.02	92.67	91.64	91.28
10	95.35	95.34	95.02	95.22	94.46	94.40	93.93	93.30	92.98	92.35	91.84	91.31
15	95.36	95.13	94.92	95.26	94.55	94.24	93.85	93.48	92.87	92.15	91.03	91.36
20	95.24	95.21	95.20	94.93	94.47	94.32	93.70	93.31	92.83	91.95	91.34	91.01
25	95.36	95.29	94.75	94.68	94.37	94.09	93.64	93.31	92.73	91.64	91.25	91.01
Eom	95.21	95.26	95.10	94.65	94.77	94.19	93.44	93.20	92.48	91.33	91.66	91.21

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	91.00	91.15	90.63	90.53	89.90	89.64	89.50	89.42	89.32	89.12	90.65	88.43
10	91.01	90.93	90.90	90.54	89.96	89.56	89.29	89.27	89.09	90.95	88.44	88.12
15	90.92	91.06	90.45	90.20	89.90	89.59	89.37	89.57	89.25	91.01	88.61	88.00
20	90.78	91.01	90.49	90.29	89.87	89.79	89.36	89.54	89.12	91.21	88.06	88.10
25	91.12	91.08	90.94	90.25	89.84	89.69	89.38	89.12	89.18	90.69	88.51	88.06
Eom	91.11	90.60	90.40	89.88	89.43	89.47	89.45	89.00	89.11	90.61	88.23	87.70

Hancock County

405700083355700. Local number Ha-2. Maplehurst Farms. Near Findlay. Drilled unused water-table well in limestone; diam 6 in (15 cm), depth 27 ft (8 m), casing information not available. Lsd 820 ft (250 m) above ms1. MP floor of instrument shelter, 3.50 ft (1.07 m) above lsd. Highest water level 0.25 ft (0.08 m) below lsd, Mar. 5, 1963, Dec. 10, 1966; lowest 8.10 ft (2.47 m) below lsd, Nov. 22-25, Dec. 3, 4, 1964. Records available: 1947-74. Measurement discontinued Sept. 30, 1974

405700083355700--Continued.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	1.40	1.70	2.00	1.10	2.20	1.65	2.00	3.05	4.45	3.05	3.42	2.70
10	2.10	2.10	1.10	1.30	1.95	1.40	2.65	3.15	4.69	3.45	4.45	2.95
15	2.60	2.30	.70	1.70	2.25	1.50	2.90	2.95	4.90	4.25	4.52	2.90
20	2.55	2.30	.90	1.75	2.40	2.20	2.95	3.05	5.15	4.75	3.65	3.00
25	2.00	2.50	1.35	1.55	2.00	2.35	2.85	3.30	4.90	4.85	3.10	3.05
Eom	1.95	2.60	1.20	1.65	2.15	2.92	4.05	3.45	3.30	2.65	1.85	

1974

5	2.30	2.12	1.53	0.95	....	2.80	3.40	5.25	3.45	....	....	....
10	2.50	2.40	1.00	1.50	....	2.85	3.45	5.35	4.20	....	....	....
15	2.50	2.20	1.68	1.90	....	2.95	3.55	5.20	4.00	....	....	....
20	.35	1.45	1.64	2.45	....	2.95	4.45	4.75	4.60	....	....	....
25	1.25	1.68	2.10	2.60	....	3.00	4.75	5.25	4.70	....	....	....
Eom	1.45	1.80	2.10	2.65	2.70	3.25	5.05	3.40	4.55	....	....	....

Jefferson County

402404080372100. Local number Je-1. Barium Chemicals, Inc. Formerly Steubenville Pottery Co. Steubenville. Drilled unused water-table well in gravel, diam 8 in (20 cm), depth 104 ft (32 m), cased to 104 ft (32 m). Lsd 680 ft (207 m) above ms1. MP floor of instrument shelter, 3.50 ft (1.07 m) above lsd. Highest water level 30.20 ft (9.20 m) below lsd, Apr. 2, 1960; lowest 51.00 ft (15.54 m) below lsd, Feb. 23, 1958. Records available: 1947-50, 1952-74. Measurement discontinued June 10, 1974.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	38.68	40.19	39.14	38.65	40.44	41.32	41.74	41.98	42.02	41.36	40.53	
10	40.30	39.25	39.98	38.66	39.04	40.87	41.30	41.86	41.98	41.58	41.61	41.12
15	41.20	40.34	40.30	39.13	38.83	41.20	41.60	41.81	42.03	41.70	41.67	40.18
20	41.21	41.06	37.09	39.87	40.38	39.89	41.81	41.93	41.90	41.88	41.51	41.08
25	40.78	41.46	38.10	40.28	40.18	41.25	41.72	41.72	42.03	41.81	41.71	39.81
Eom	40.70	41.48	39.80	37.59	40.34	41.44	41.81	41.79	42.00	41.30	39.67	37.61

1974

5	38.51	39.72	39.75	37.92	40.48	39.85	....	....	....	....	....	....
10	40.00	40.46	38.10	37.94	41.28	40.95	....	....	....	....	....	....
15	38.46	40.58	37.80	38.51	37.51	....	....	....	....	....	....	....
20	38.90	41.01	39.24	39.50	39.15	....	....	....	....	....	....	....
25	38.83	40.55	39.77	40.30	40.44	....	....	....	....	....	....	....
Eom	38.21	41.12	39.94	40.81	40.89	....	....	....	....	....	....	....

Knox County

402344082300700. Local number K-1. City of Mount Vernon. Drilled unused artesian well in gravel, diam 8 in (20 cm), depth 90 ft (27 m), cased to 90 ft (27 m). Lsd 990 ft (302 m) above ms1. MP floor of instrument shelter, 3.50 ft (1.07 m) above lsd. Highest water level 1.90 ft (0.58 m) above lsd, Mar. 19, 1948; lowest 16.90 ft (5.15 m) below lsd, July 25, 1971. Records available: 1946-74. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	7.78	7.36	9.65	10.22	....	11.40	9.56	....	13.60	10.95	10.10	9.17
10	9.37	10.00	7.81	9.75	9.56	....	13.41	14.36	....	10.94	10.91	8.56
15	6.75	9.30	7.97	7.07	9.75	10.31	....	11.87	11.19	11.34	10.59	9.66
20	7.04	8.52	7.50	9.77	7.80	9.24	13.07	....	14.60	12.68	10.88	13.13
25	8.65	7.17	6.34	9.50	....	9.61	13.55	12.73	14.41	7.59	5.95	
Eom	8.92	8.60	8.33	....	....	11.06	12.17	14.10	11.15	12.78	8.93	6.70

1974

5	9.29	9.54	8.82	9.20	8.39	9.89	10.41	10.10	11.83	11.50	10.20	10.32
10	11.99	9.90	8.30	7.93	10.17	9.71	11.33	12.01	12.69	10.25	10.80	11.85
15	8.89	11.98	10.40	7.37	9.87	10.75	11.00	10.40	11.49	10.59	11.25	7.94
20	8.61	11.21	10.09	8.90	9.29	9.62	12.12	....	14.21	9.91	11.11	8.90
25	9.95	10.34	10.39	9.58	9.86	9.09	12.80	....	14.01	11.18	10.24	6.88
Eom	8.53	11.60	8.17	9.39	9.40	8.80	13.69	11.09	10.00	11.70	8.05	9.20

Licking County

400159082282100. Local number Li-2. Union Oil Co. Formerly Heath Refinery. Refinery at Heath (previously reported Newark). Drilled observation artesian well in gravel, diam 6 in (15 cm), depth 23 ft (7 m), cased to 22 ft (7 m). Lsd 885 ft (270 m) above ms1. MP floor of instrument shelter, 3.80 ft (1.16 m) above lsd. Highest water level 0.10 ft (0.03 m) above lsd, Apr. 3, 1974; lowest 18.55 ft (5.65 m) below lsd, Dec. 17, 18, 1953. Records available: 1953-74. Measurement discontinued June 1974.

400159082282100--Continued.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	0.36	0.44	0.88	0.27	0.86	0.65	1.02	1.56	1.92	1.29	1.46	0.64
10	1.07	.84	1.02	.15	.88	1.26	1.36	....	1.89	1.71	1.71	1.01
15	1.04	.68	.23	.39	1.10	1.35	1.50	....	2.04	1.83	1.17	.99
20	.79	.90	.20	.47	.78	.60	1.66	1.64	2.09	2.04	1.51	1.06
25	.53	.99	.62	.39	1.08	1.18	.50	1.82	2.22	2.12	.50	.84
Eom	.73	1.00	.37	.43	.90	1.21	1.30	1.58	2.14	.92	.36	.49
1974												
5	0.83	....	0.83	0.08	1.03	1.52	....	....	....	....	....	....
10	.74	....	.97	.32	1.14	1.59	....	....	....	....	....	....
15	.54	0.76	1.02	.80	1.14	1.68	....	....	....	....	....	....
20	.14	.60	....	1.18	1.04	1.58	....	....	....	....	....	....
25	....	.78	.96	1.04	1.06	1.30	....	....	....	....	....	....
Eom	....	.68	.37	1.21	1.00	1.56	....	....	....	....	....	....

Lucas County

413704083362200. Local number Lu-1. State of Ohio. Toledo State Hospital, Toledo. Drilled unused artesian well in limestone, diam. 12 in. (30 cm), depth 525 ft (160 m), casing information not available. Lsd 620 ft (189 m) above msl. Mt floor of instrument shelter, 3.10 ft (0.94 m) above lsd. Highest water level 84.10 ft (25.63 m) below lsd, July 18, 1947; lowest 117.25 ft (35.74 m) below lsd, Sept. 18, 1957. Records available: 1946-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	90.32	89.96	89.46	89.20	89.35	89.28	89.93	90.55	.....	90.60	89.40	89.58
10	90.31	90.10	89.52	89.24	89.30	.....	89.95	90.23	.....	90.36	90.55	89.80
15	90.25	89.58	89.20	89.65	89.34	.....	90.12	90.37	.....	90.14	89.48	.....
20	90.14	89.65	89.40	89.42	89.30	.....	90.20	90.38	90.59	90.37	89.85	.....
25	89.97	89.81	89.30	89.30	89.28	.....	90.34	90.59	90.58	89.99	89.79	.....
Eom	89.99	89.81	89.40	.....	89.32	89.95	90.32	90.54	90.50	89.66	90.03	89.54
1974												
5	89.55	88.98	.....	.....	87.90	.....	88.54	88.95	89.00	88.78	87.02	86.68
10	88.57	88.69	.....	.....	87.91	.....	.....	88.90	89.07	88.34	87.10	86.30
15	88.72	88.72	.....	.....	87.93	.....	.....	89.00	88.79	88.10	86.95	86.28
20	88.75	.....	.....	.....	88.05	.....	.....	88.94	88.90	88.23	86.25	86.14
25	88.99	.....	.....	.....	88.45	.....	.....	88.86	88.89	88.70	87.66	86.95
Eom	88.95	.....	.....	.....	88.45	88.80	88.70	88.76	87.42	86.85	86.16	.....

Mahoning County

410042080453800. Local number Ma-1. City of Canfield. County Fairgrounds of Canfield. Drilled unused artesian well in sandstone; diam 8 in (20 cm); depth 170 ft (52 m); previously reported 205 ft (62 m); casing information not available. Lsd 1,160 ft (354 m) above msl. MP floor of instrument shelter, at lsd. Highest water level 27.15 ft (8.28 m) below lsd, May 22, 1949; lowest 11.75 ft (33.76 m) below lsd, Sept. 27, 1946. Records available: 1946-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	32.61	32.22	31.62	31.17	40.87	33.51	35.25	34.70	.....	36.27	....	....
10	32.51	32.10	31.77	31.08	35.85	33.45	33.96	34.92	37.26	....	....	....
15	32.45	31.93	31.52	31.72	34.10	33.72	35.50	34.75	36.68	....	....	....
20	32.56	31.90	31.50	31.51	35.60	33.50	34.31	34.62	36.16	....	....	....
25	32.45	31.92	31.56	37.60	34.15	34.94	34.32	39.25	36.06	....	....	....
Eom	32.39	31.82	31.45	40.22	33.73	33.64	34.31	39.20	36.85	....	....	33.18
1974												
5	33.10	32.31	32.05	33.00	33.38	34.29	.....	38.61	49.90	37.98	....	35.95
10	32.89	32.22	32.38	33.02	34.08	34.61	36.45	37.14	.....	37.85	....	35.18
15	32.71	32.23	32.20	32.97	33.93	35.06	36.45	37.72	.....	37.90	37.87	34.80
20	32.45	32.29	33.00	33.31	34.04	35.31	36.47	37.39	.....	37.82	37.70	34.75
25	32.46	32.18	33.09	33.59	34.03	35.37	36.56	37.95	.....	37.74	37.10	34.43
Eom	32.34	32.21	32.85	33.98	33.93	35.70	36.94	51.32	.....	37.80	36.83	34.74

Marion County

403601083110400. Local number Mn-2. City of Marion. Drilled unused artesian well in limestone, diam 12 in (30 cm), depth 67 ft (20 m), casing information not available. Lsd 910 ft (277 m) above ms1. MB floor of instrument shelter, 2,000 ft (0.61 m) above lsd. Highest water level 7.34' (2.24 m) below lsd, Apr. 1, 1974; lowest 49.50 ft (15.09 m) below lsd, Feb. 11, 1956. Records available: 1950-74.

403601083110400--Continued.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	8.00	8.07	....	....	8.08	8.80	9.18	9.38	9.67	12.29	13.24	11.70
10	8.06	8.32	....	....	8.12	8.57	9.07	9.38	10.73	12.17	13.26	11.30
15	8.34	....	8.22	....	....	8.68	9.01	9.57	11.25	12.36	12.85	10.91
20	....	....	....	....	....	9.04	9.06	9.51	11.67	12.50	12.78	10.55
25	....	....	....	....	....	8.21	9.27	9.19	9.41	11.96	12.77	12.45
Eom	....	....	....	....	....	8.95	9.58	9.26	9.49	12.23	13.12	12.15

1974

5	9.53	....	8.25	8.49	8.33	9.00	9.90	13.74	15.20	14.88	15.56	14.27
10	9.31	8.42	8.40	8.16	8.60	....	10.39	14.30	14.85	14.91	15.40	13.96
15	9.13	8.42	8.25	7.90	8.64	9.16	11.36	14.84	14.83	15.07	15.20	13.69
20	8.33	8.37	8.00	8.08	8.72	9.36	11.94	14.97	14.61	15.46	14.86	13.40
25	....	8.33	8.35	8.22	8.71	9.41	12.53	15.31	14.83	15.67	14.70	13.20
Eom	....	8.07	7.77	8.22	8.75	9.44	13.29	15.48	14.94	15.67	14.52	13.01

Medina County

410142082005900. Local number Md-1. City of Lodi. Drilled unused water-table well in gravel, diam 6 in (15 cm), depth 65 ft (20 m), cased to 65 ft (20 m). Lsd 910 ft (277 m) above msl. MP floor of instrument platform, 1.90 ft (0.58 m) above lsd. Highest water level 7.60 ft (2.32 m) below lsd, July 4, 1969; lowest 31.64 ft (9.64 m) below lsd, Nov. 9, 1962. Records available: 1946-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	20.50	20.20	20.25	19.10	19.90	19.95	20.35	21.30	21.80	21.30	20.90	30.35
10	20.90	20.60	20.20	19.20	19.75	20.60	20.90	22.65	21.60	....	21.15	21.45
15	19.55	20.80	19.45	19.65	19.80	20.60	20.25	21.65	21.70	....	21.10	20.40
20	17.30	20.45	20.20	20.20	20.00	20.30	23.10	21.25	21.90	....	21.15	20.15
25	21.15	19.85	19.50	19.95	19.65	20.30	21.15	21.40	21.70	....	20.70	19.75
Eom	17.15	20.60	19.40	19.80	19.90	20.20	21.00	22.55	21.25	21.30	22.22	17.10

1974

5	17.10	17.40	16.65	....	16.95	18.95	17.90	23.60	21.00	20.45	20.05	....
10	17.25	....	16.25	....	17.20	18.10	20.95	24.75	21.80	21.10	19.90	....
15	17.45	....	17.15	....	17.20	18.30	25.15	22.10	....	20.60	19.85	....
20	17.00	17.10	16.65	15.95	17.20	18.00	21.95	....	....	20.15	19.70	....
25	17.10	17.00	16.30	17.10	17.60	17.95	22.90	....	....	20.40	19.60	18.50
Eom	17.10	16.80	....	17.10	19.60	17.35	22.65	....	....	20.15	....	18.25

Montgomery County

394025084162800. Local number Mt-49, E. F. Stenger. Drilled unused water-table well in gravel, diam 6 in (15 cm), depth 220 ft (67 m), cased to 220 ft (67 m). Lsd 715 ft (218 m) above msl. MP floor of instrument shelter, 2.50 ft (0.76 m) above lsd. Highest water level 10.52 ft (3.21 m) below lsd, Jan. 22, 1959; lowest 36.30 ft (11.05 m) below lsd, Dec. 8, 1974. Records available: 1947-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	28.00	29.29	31.11	27.66	....	27.12	26.51	27.31	28.34	30.51	32.48	32.88
10	28.15	29.60	31.10	26.55	....	26.31	26.66	27.83	28.69	30.80	32.74	33.01
15	28.53	29.95	30.29	26.18	....	26.67	26.88	27.66	29.06	31.05	33.14	33.21
20	28.66	30.23	28.57	25.97	....	26.62	27.46	27.38	29.60	31.34	33.41	33.44
25	29.07	30.56	27.98	25.81	27.03	26.57	27.05	27.43	29.99	31.82	33.47	33.59
Eom	29.26	30.77	27.06	25.85	27.11	26.34	27.20	28.03	30.12	32.17	32.73	32.16

1974

5	32.23	26.96	27.91	28.53	28.34	30.19	28.81	31.03	32.60	33.90	35.30	36.24
10	32.45	27.00	28.11	28.09	28.92	30.44	29.00	31.38	32.84	34.12	35.39	36.21
15	33.13	27.45	28.36	27.84	29.14	30.67	29.37	31.76	32.82	34.25	35.59	36.09
20	32.10	27.73	28.85	27.76	29.30	31.10	29.73	32.08	33.21	....	35.77	35.72
25	28.46	27.50	29.19	28.11	29.32	28.97	30.18	32.32	33.33	34.74	35.95	33.58
Eom	26.90	27.63	29.27	28.39	29.90	28.40	30.65	32.60	33.52	35.01	36.06	35.27

Muskingum County

395804081593200 (revised). Local number Mu-la. City of Zanesville. Drilled unused water-table well in gravel; diam 6 in (15 cm); depth 132 ft (40 m), previously reported 135 ft (41 m); cased. Lsd 700 ft (213 m) above msl. MP floor of instrument shelter, 4.48 ft (1.37 m) above lsd. Highest water level 8.50 ft (2.59 m) below lsd, May 25, 1967; lowest 37.25 ft (11.35 m) below lsd, Aug. 1, 1954. Records available: 1942-74. Water levels affected by pumping.

395804081593200--Continued.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	22.35	23.49	24.72	21.50	19.85	....	e21.50	22.86	24.00	25.05	24.68	22.33
10	22.42	e23.00	25.20	22.10	19.76	21.35	22.02	23.29	24.52	24.75	24.74	22.32
15	23.69	23.10	24.65	21.80	19.48	....	22.40	23.19	24.85	24.70	24.83	22.99
20	23.71	23.51	23.25	22.10	20.01	21.50	23.00	23.22	24.30	24.53	24.87	23.62
25	23.75	24.04	22.10	21.40	21.67	e20.65	22.42	23.32	24.60	25.01	24.70	23.26
Eom	23.62	24.37	21.62	21.00	21.50	21.37	22.85	23.51	24.52	24.95	23.50	22.25

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	22.75	19.75	21.30	17.55	18.21	19.41	20.50	23.71	22.76	22.47	25.39	24.57
10	23.20	19.95	21.04	15.51	18.72	20.12	21.54	24.32	21.85	23.17	25.40	24.43
15	23.79	20.72	20.38	15.21	18.51	20.50	22.00	23.84	21.95	23.95	25.13	23.48
20	23.70	21.21	20.02	16.49	17.98	20.98	22.99	23.80	22.18	24.51	24.92	22.61
25	21.82	21.09	20.19	17.36	18.31	20.67	23.64	24.28	22.30	25.10	24.91	22.54
Eom	19.36	21.63	20.08	18.05	18.62	20.32	23.87	24.10	22.17	25.14	24.55	21.36

e Estimated.

Portage County

411401081025000. Local number Po-1. Edward Liddle (previously reported Edward Tiddle). Windham. Drilled unused artesian well in sandstone, diam 6 in (15 cm), depth 55 ft (17 m), casing information not available. Lsd 970 ft (296 m) above msl. MP floor of instrument shelter, 0.60 ft (0.18 m) above lsd. Highest water level 14.49 ft (4.42 m) below lsd, June 13, 1947; lowest 23.08 ft (7.03 m) below lsd, Feb. 22, 1954. Records available: 1946-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	20.14	20.00	19.63	18.61	18.08	....	18.17	18.82	19.48	20.13	20.38	20.25
10	20.09	19.92	19.55	18.35	18.04	....	18.26	18.90	19.60	20.17	20.47	20.24
15	20.17	19.81	19.36	18.27	18.05	17.79	18.41	19.08	19.72	20.21	20.37	20.27
20	20.17	19.80	19.27	18.16	17.98	17.85	18.50	19.13	19.86	20.30	20.46	20.20
25	20.14	19.81	19.05	18.05	17.97	17.95	18.59	19.24	19.96	20.34	20.36	20.16
Eom	20.09	19.75	18.91	18.06	....	18.05	18.71	19.42	20.05	20.29	20.39	20.03

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	19.99	19.26	18.78	....	17.27	17.19	17.86	18.64	19.02	19.29	19.36	19.06
10	19.93	19.15	18.63	....	17.22	17.28	17.96	18.71	19.04	19.32	19.39	18.84
15	19.81	19.14	18.40	....	17.00	17.42	18.07	18.85	19.12	19.36	19.34	18.76
20	19.61	19.10	18.25	17.39	17.05	17.60	18.17	18.92	19.16	19.40	19.25	18.60
25	19.51	19.00	18.18	17.36	17.02	17.74	18.26	19.01	19.19	19.32	19.16	18.46
Eom	19.34	18.90	17.87	17.27	17.09	17.77	18.54	19.96	19.25	19.42	19.16	18.33

Richland County

404625082305100. Local number R-4. Ohio Brass Co. Formerly City of Mansfield. North Main St., Mansfield. Drilled unused artesian well in gravel, diam 14 in (36 cm), depth 127 ft (39 m), casing information not available. Lsd 1,150 ft (351 m) above ms. MP top of instrument table, 4.70 ft (1.43 m) above lsd. Highest water level 21.00 ft (6.40 m) below lsd, July 25, 1973; lowest 60.10 ft (18.32 m) below lsd, Oct. 12, 13, 19, 20, 1962. Records available: 1942-47, 1949-74. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	27.90	27.72	28.40	27.30	....	33.45	28.40	28.02	27.10	28.22	28.80	....
10	28.70	28.50	28.52	26.80	27.65	35.40	27.12	28.05	....	28.20	28.62	....
15	28.93	28.14	28.30	....	32.60	34.55	25.60	27.53	....	28.79	28.32	....
20	28.80	27.85	27.50	....	34.99	35.05	23.22	27.40	....	28.90	28.00	....
25	28.74	28.39	27.60	....	36.00	31.90	21.00	27.12	28.03	28.68	....	26.58
Eom	28.39	28.20	27.80	....	32.92	29.40	21.05	28.45	28.73	28.25	....	26.39

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	....	25.85	25.85	....	25.80	26.09	....	....	23.90	20.00	25.18
10	....	....	e26.25	26.25	....	28.10	27.03	....	....	33.79	27.99	24.81
15	....	26.80	25.99	24.58	....	26.90	....	....	....	32.28	27.29	25.20
20	27.70	26.33	25.33	....	....	26.55	....	....	....	33.14	26.78	24.61
25	27.09	26.40	25.66	....	....	25.86	....	....	....	32.90	34.98	25.81
Eom	....	26.57	25.82	....	....	....	31.67	....	....	29.60	30.85	25.10

e Estimated.

Ross County

391922082580000 (revised). Local number Ro-3. Mead Paper Corp., Chillicothe. Drilled unused water-table well in gravel; diam 30 in (76 cm); depth 55 ft (17 m), previously reported 91 ft (28 m); cased. Lsd 610 ft (186 m) above msl. MP floor of shelter, 4.71 ft (1.44 m) above lsd (since October 1974). Highest water level 17.20 ft (5.24 m) below lsd, Mar. 21, 1943; lowest 42.92 ft (13.08 m) below lsd, Dec. 24, 1949. Records available: 1941-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	27.24	27.30	27.46	27.32	25.01	25.41	25.92	26.42	26.91	28.51	29.53	e29.65
10	27.21	.....	27.56	27.03	24.78	25.59	25.97	26.46	27.02	28.54	29.10	.....
15	27.21	.....	27.65	26.75	24.95	25.74	26.08	26.59	27.33	28.58	30.15	.....
20	27.11	.....	27.68	26.42	25.00	25.85	26.21	26.58	27.70	28.73	e30.20	.....
25	27.20	.....	27.65	26.16	25.14	25.87	26.33	26.85	28.01	28.88	e30.34	.....
Eom	27.28	27.35	27.46	25.65	25.31	25.89	26.41	26.95	28.56	29.08	e30.25	26.65
1974												
5	.....	.....	26.01	.....	25.66	.....	24.95	26.49	.....	27.61	28.52	28.45
10	.....	.....	26.01	.....	25.73	.....	25.81	26.85	.....	27.59	28.57	28.43
15	.....	.....	.....	.....	25.88	.....	25.87	27.27	27.78	28.51	28.41	.....
20	.....	.....	.....	.....	25.75	.....	25.61	27.60	27.97	28.51	28.26	.....
25	.....	.....	.....	25.58	25.94	25.31	25.90	27.41	28.27	28.58	28.10	.....
Eom	26.41	.....	25.50	25.73	.....	24.97	26.16	27.48	28.40	28.56	28.36	.....

e Estimated.

Stark County

404651081312200. Local number St-1. Republic Steel Corp., Oberlin Ave., Massillon. Drilled unused water-table well in gravel, diam 6 in (15 cm), depth 161 ft (49 m), cased to 161 ft (49 m). Lsd 975 ft (297 m) above msrl. MP top of concrete base, 6.00 foot (1.83 m) below lsd. Highest water level 41.70 ft (12.71 m) below lsd, June 16, 1947; lowest 60.25 ft (18.36 m) below lsd, Jan. 29, 1968. Records available: 1942-74. Measurement discontinued Mar. 20, 1974. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1973

405052081193700. Local number St-4. Adessi Bros. Harmont Rd., near Canton. Drilled unused water-table well in gravel; diam 4 in (10 cm); depth 73 ft (22 m), previously reported 190 ft (58 m); cased. Lsd 1,075 ft (328 m) above msl. MP top of casing, 4,00 ft (1.22 m) above lsd. Highest water level 6.92 ft (2.11 m) below lsd, Feb. 6, 1952; lowest 22.42 ft (6.83 m) below lsd, Feb. 2, 1942. Records available: 1941-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	10.53	10.80	10.74	9.67	9.54	9.81	10.43	.....	.....	12.01	12.85	.....
10	10.53	10.73	10.74	9.62	9.63	9.89	10.58	11.19	12.06	12.71	12.78	.....
15	10.56	10.69	10.73	9.55	9.65	10.00	10.73	11.81	.....	12.94	12.77	.....
20	10.63	10.68	10.19	9.50	9.70	10.10	10.89	.....	.....	.....	.....	.....
25	10.73	10.67	9.85	9.48	9.73	10.21	10.99	.....	.....	.....	.....	.....
Eom	10.80	10.69	9.71	9.50	9.75	10.32	.....	.....	.....	13.00	.....	.....
1974												
5	.....	.....	.....	9.85	10.09	.....	11.59	12.34	12.50	12.82	13.32	13.03
10	.....	.....	.....	10.10	10.20	.....	11.73	12.40	12.51	12.91	13.32	12.89
15	.....	.....	.....	10.09	.....	10.93	e11.87	12.43	12.55	13.01	13.29	12.60
20	.....	11.29	10.40	9.66	.....	11.13	11.95	12.43	12.60	13.08	13.25	12.29
25	11.82	11.45	.....	9.81	.....	11.31	12.07	12.45	12.65	13.17	13.20	12.03
Eom	11.15	11.45	.....	9.97	.....	11.45	12.15	12.49	12.73	13.26	13.13	11.26

e Estimated.

Summit County

410307081280100. Local number Su-3. Goodyear Tire & Rubber Co. Akron. Drilled unused water-table well in gravel, diam 20 in (51 cm), depth 140 ft (43 m), cased to 140 ft (43 m). Lsd 1,020 ft (311 m) above ms1. MP floor of instrument shelter, 1.76 ft (0.54 m) above lsd. Highest water level 11.00 ft (3.35 m) below lsd, May 25, 1969; lowest 55.87 ft (17.03 m) below lsd, Oct. 18-20, 26-28, 1944. Records available: 1943-69, 1971-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	23.70	19.36	.....	.....	17.20	21.80	26.85	30.12	32.12	31.00	31.08	31.61
10	22.94	18.76	.....	.....	18.22	22.76	27.50	30.48	31.88	31.01	31.19	31.69
15	22.21	.....	.....	.....	19.15	23.77	28.16	30.82	31.63	31.04	31.29	31.50
20	21.46	.....	.....	13.62	19.85	24.57	28.77	31.26	31.30	31.10	31.44	30.31
25	20.62	.....	.....	14.17	20.48	25.29	29.06	31.60	31.13	31.20	31.53	29.00
Eon	19.98	.....	.....	15.87	21.25	26.12	29.63	31.95	31.02	31.15	31.54	29.71
1974												
5	26.85	22.20	19.08	15.37	.....	18.45	21.07	23.49	23.72	24.42	.....	.....
10	26.06	21.56	18.40	15.08	.....	18.72	21.72	23.37	23.73	24.50	.....	.....
15	25.31	20.97	17.60	14.68	16.99	19.32	22.25	23.52	23.77	24.66	.....	.....
20	24.36	20.35	16.93	.....	17.39	19.94	22.80	23.58	23.82	24.78	25.15	.....
25	23.67	19.79	16.43	.....	17.76	20.44	23.08	23.68	23.92	24.85	25.22	21.25
Eon	22.85	19.46	15.79	15.10	18.06	21.03	23.32	23.58	24.15	24.98	.....	20.28

Tuscarawas County

403653081321800. Local number Tu-1. Everett Waltz. Near Strasburg. Drilled unused water-table well in gravel, dian 4 in (10 cm), depth 23 ft (7 m), cased to 23 ft (7 m). Lsd 928.24 ft (282.93 m) above ms1. MP floor of instrument shelter, 0.90 ft (0.27 m) above lsd. Highest water level 6.64 ft (2.02 m) below lsd, July 14, 1969; lowest 15.10 ft (4.60 m) below lsd, Oct. 31, Nov. 1, 1966. Records available: 1946-74.

Lowest water level for the day, from recorder graph, 1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	11.05	11.17	11.38	10.12	9.88	10.43	11.73	12.64	13.32	13.35	12.88	....
10	11.04	10.93	11.07	9.87	10.10	10.60	11.99	12.77	13.42	13.18	12.91	....
15	11.31	11.01	10.93	9.90	10.25	10.83	12.04	12.83	13.52	13.13	13.03	....
20	11.51	11.13	10.18	9.85	10.46	11.06	12.26	12.83	13.66	13.13	13.13	....
25	11.58	11.25	10.13	9.81	10.52	11.30	12.40	12.99	13.71	13.26	13.18	....
Eom	11.55	11.42	10.15	9.81	10.23	11.51	12.49	13.25	13.72	13.20	....	11.32
1974												
5	11.46	10.27	10.80	9.12	10.18	10.92	12.22	13.30	12.08	13.00	13.45	12.16
10	11.63	10.42	10.82	8.86	10.47	11.15	12.41	13.33	12.17	13.12	12.94	11.58
15	11.83	10.59	10.63	8.97	10.43	11.47	12.62	13.34	12.36	13.22	12.65	11.07
20	11.15	10.86	10.50	9.27	10.48	11.67	12.79	13.22	12.57	13.27	12.54	10.64
25	10.35	10.87	10.55	9.67	10.52	11.78	13.16	13.39	12.62	13.40	12.52	10.59
Eom	10.02	10.89	10.24	10.03	10.72	12.04	13.21	12.51	12.87	13.48	12.20	9.90

Union County

401826083255200. Local number U-4. State of Ohio. M. Keirns property near Raymond. Drilled test artesian well in limestone, diam 12 in (30 cm), depth 350 ft (107 m), cased to 37 ft (11 m). Lsd 1,040 ft (317 m) above msl. MP floor of instrument shelter, 3,000 ft (0.91 m) above lsd. Highest water level 19.85 ft (6.05 m) below lsd, Mar. 17, 1973; lowest 23.60 ft (7.19 m) below lsd, Oct. 21, 1974. Records available: 1973-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	21.28	20.25	20.78	21.40	21.04	21.75	21.87	22.40	22.43	21.40
10	21.30	20.18	20.87	21.04	21.38	21.80	22.03	22.40	22.60	21.63
15	20.13	.....	21.13	21.26	21.65	20.42	22.16	22.37	22.44	21.71
20	20.02	20.42	20.94	20.92	21.89	21.01	22.30	22.46	22.44	21.77
25	20.37	20.57	21.09	21.03	21.73	21.29	22.40	22.45	22.15	.....
Eom	21.64	20.33	20.45	21.40	21.08	21.40	21.68	22.46	22.36	21.46

Van Wert County

405215084335400. Local number VW-1. Marsh Foundation. Van Wert. Drilled unused artesian well in dolomite, diam 8 in (20 cm), depth 340 ft (104 m), casing information not available. Lsd 785 ft (239 m) above msl. MP top of instrument platform, 6.15 ft (1.87 m) above lsd. Highest water level 18.85 ft (5.75 m) below lsd, Mar. 6, 1958; lowest 31.23 ft (9.52 m) below lsd, Dec. 31, 1974. Records available: 1947-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	26.11	26.21	26.37	26.20	26.35	26.39	26.57	26.85	27.09	27.40	27.48	27.12
10	26.19	26.25	26.40	26.19	26.82	26.58	26.68	26.71	27.18	27.23	27.70	27.61
15	26.20	26.32	26.10	26.45	26.45	26.62	26.73	26.81	27.05	27.29	27.10	27.90
20	26.13	26.41	26.23	26.31	26.15	26.66	26.80	26.91	27.17	27.34	27.51	27.82
25	26.13	26.49	26.15	26.11	26.17	26.62	26.71	26.96	27.18	27.21	27.32	27.85
Eom	26.18	26.55	26.28	26.15	26.45	26.55	26.73	27.09	27.21	26.91	27.63	27.83

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	28.00	27.65	27.20	27.01	27.20	27.47	27.95	28.84	29.25	29.30	29.45	30.85
10	27.85	27.42	27.55	27.25	27.19	27.37	27.99	28.87	29.04	29.22	29.73	30.75
15	27.68	27.60	27.25	27.07	27.14	27.40	28.26	29.15	29.10	29.33	29.92	30.91
20	27.62	27.40	27.16	27.31	27.43	27.55	28.65	29.18	29.10	29.66	29.74	30.95
25	27.72	27.53	27.50	27.31	27.45	27.61	28.69	29.25	29.07	29.48	30.57	31.22
Eom	27.34	27.34	26.81	27.11	27.07	27.63	28.83	29.10	29.13	29.50	30.80	31.23

Warren County

392712084191700. Local number W-5. Robert Proeschel. Near Monroe. Drilled unused water-table well in gravel, diam 12 in (30 cm), depth 168 ft (51 m), cased. Lsd 660 ft (201 m) above msl. MP floor of shelter, 3.50 ft (1.07 m) above lsd. Highest water level 19.40 ft (5.91 m) below lsd, Mar. 14, 1972; lowest 30.37 ft (9.26 m) below lsd, Oct. 9, 1972. Records available: 1972-74. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	24.79	23.09	21.75	22.02	26.56	28.05	29.10	29.80	29.30
10	24.35	22.75	22.33	22.18	26.54	28.40	30.20	29.30	28.90
15	24.25	22.08	23.13	24.53	26.85	28.45	29.30	29.80	28.50
20	22.28	22.10	25.00	.....	29.64	29.74	29.30	28.55
25	22.33	21.85	26.36	.....	29.05	29.80	28.80	28.10
Eom	24.86	.....	21.76	22.64	25.98	28.04	28.84	29.50	29.85	28.70

1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	27.10	26.60	26.40	25.10	23.10	23.00	22.95	24.10	26.05	27.40	.....	24.95
10	28.15	26.55	26.30	24.65	22.35	22.45	24.25	24.50	25.90	26.30	.....	23.95
15	27.65	26.25	26.35	23.70	22.55	22.85	24.10	25.05	26.05	26.25	.....	24.85
20	27.20	26.60	25.80	23.35	22.10	24.00	25.30	28.40	26.65	26.30	.....	24.00
25	26.95	26.00	25.40	22.75	24.10	23.15	24.50	25.15	26.40	26.20	.....	23.05
Eom	26.95	26.30	25.25	23.25	23.90	23.15	24.40	25.85	26.45	25.50	25.75	24.10

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	24.35	22.30	21.80	21.55	20.05	23.05	21.00	23.85	23.40	22.25	22.10	23.00
10	23.75	20.80	21.40	20.30	20.65	22.55	21.15	23.85	23.05	21.55	21.20	20.65
15	24.40	21.55	21.15	20.45	21.25	23.00	21.60	24.00	22.25	21.65	21.60	21.25
20	24.00	21.30	21.75	19.95	20.85	23.10	22.20	24.60	22.10	21.65	21.30	20.95
25	24.85	20.95	22.20	20.10	21.05	22.00	23.20	23.80	22.50	22.20	21.40	20.10
Eom	21.75	20.95	21.70	20.55	21.30	20.60	24.20	23.70	21.60	22.25	21.30	21.00

Washington County

392458081271100. Local number Wa-1. Marietta Osteopathic Clinic. Third and Putnam Sts. (previously reported Fourth and Putnam Sts.). Marietta. Drilled unused water-table well in gravel, diam 6 in (15 cm), depth 42 ft (13 m), cased to 42 ft (13 m). Lsd 610 ft (186 m) above msl. MP floor of instrument shelter, 4.80 ft (1.46 m) above lsd. Highest water level 16.57 ft (5.05 m) below lsd, Mar. 25, 1945; lowest 30.70 ft (9.36 m) below lsd, Sept. 9, 1962. Records available: 1942-74. Measurement discontinued June 1974.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	23.53	24.42	25.41	24.08	23.08	25.17	.....	27.67	28.21	28.13	27.80	26.75
10	24.16	24.33	25.05	23.38	23.52	25.47	.....	27.79	28.05	28.12	27.82	26.93
15	25.00	24.65	25.26	23.33	23.24	25.83	.....	27.82	28.09	28.17	27.83	26.82
20	25.42	25.13	23.80	23.80	24.15	26.09	.....	27.88	28.06	28.17	27.78	26.82
25	25.42	25.52	23.73	23.98	24.49	26.39	.....	27.88	28.12	28.22	27.78	26.40
Eom	25.12	25.66	24.00	22.67	24.64	.....	27.56	28.08	28.17	28.07	26.83	25.62

39245081271100--Continued.

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	25.47	24.22	25.31	23.82	25.41	25.16	.....	.....	.....	.....	.....	.....
10	25.68	24.49	25.03	23.29	25.76	25.90	.....	.....	.....	.....	.....	.....
15	24.80	.....	24.29	23.35	24.54	26.28	.....	.....	.....	.....	.....	.....
20	24.53	.....	24.46	23.90	24.76	26.49	.....	.....	.....	.....	.....	.....
25	23.75	.....	24.58	24.45	25.27	25.44	.....	.....	.....	.....	.....	.....
Eom	23.61	25.49	24.74	25.27	25.61	.....	.....	.....	.....	.....	.....	.....

Wayne County

404802081583100. Local number Wn-2a. City of Wooster. Drilled unused water-table well in gravel, diam 6 in (15 cm), depth 65 ft (20 m), cased to 65 ft (20 m). Lsd 850 ft (259 m) above msl. MP floor of instrument shelter, 6.00 f (1.83 m) above lsd. Highest water level 1.55 ft (0.47 m) below lsd, Jan. 27, 1952; lowest 34.50 ft (10.52 m) below lsd, Feb. 28, 1972. Records available: 1951-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	18.63	.....	22.81	21.00	21.16	.....	.....	.....	29.63	.....	.....	.....
10	20.07	.....	23.28	18.21	21.80	21.78	.....	.....	30.06	.....	.....	.....
15	20.85	.....	23.10	17.40	22.11	22.15	.....	.....	29.48	.....	.....	.....
20	.....	21.99	12.93	19.44	.....	22.13	.....	.....	30.40	.....	.....	.....
25	21.50	21.85	.....	20.09	23.25	21.70	.....	.....	30.85	.....	.....	.....
Eom	.....	22.70	.....	19.81	22.10	22.10	.....	.....	30.58	.....	.....	.....

1974

5	.....	22.76	24.67	9.82	15.03	.....	18.47	19.40	.....	.....	.....	.....
10	.....	22.78	24.15	11.70	15.25	18.82	18.79	19.50	.....	.....	.....	.....
15	.....	23.95	15.70	11.82	15.57	17.81	19.20	19.89	.....	.....	.....	.....
20	.....	24.39	13.60	12.55	15.85	18.70	18.61	20.18	.....	.....	.....	.....
25	25.00	23.95	14.21	14.92	15.50	18.73	18.51	20.38	.....	.....	.....	21.73
Eom	23.50	24.73	13.28	14.45	.....	18.44	.....	.....	.....	.....	.....	.....

405805081462300. Local number Wn-6. Tenneco, Inc. Rittman. Drilled unused water-table well in gravel, diam 8 in (20 cm), depth 180 ft (55 m), cased to 180 ft (55 m). Lsd 960 ft (293 m) above msl. MP top of casing, 2.30 ft (0.70 m) above lsd. Highest water level 78.60 ft (23.96 m) below lsd, Dec. 2, 1974; lowest 93.20 ft (28.41 m) below lsd, Sept. 3, 1971. Records available: 1971-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	86.50	85.30	85.48	84.75	84.30	84.94	83.41	84.15	83.55	83.85	87.20	83.05
10	86.11	85.35	85.33	83.78	84.20	84.26	83.45	83.93	83.60	84.17	87.27	86.30
15	86.36	84.82	84.96	84.20	84.40	84.31	83.49	84.16	83.10	82.11	83.25	86.32
20	86.21	84.76	85.02	84.00	84.17	83.76	84.85	84.12	83.09	82.21	83.95	86.15
25	86.11	84.99	83.70	84.10	84.64	83.43	84.09	84.21	82.80	87.71	83.18	89.79
Eom	86.20	84.83	83.85	84.29	84.97	83.50	83.91	83.90	82.30	86.38	87.95	89.63

1974

5	88.88	86.20	89.36	86.57	85.99	88.01	85.79	85.45	85.15	85.24	.....	83.90
10	88.80	86.00	86.31	86.88	86.48	87.85	85.60	85.33	84.39	85.08	.....	84.80
15	88.73	86.22	87.02	86.40	87.75	88.49	86.40	86.40	.....	.....	.....	84.90
20	86.30	86.62	86.50	86.40	89.14	87.65	86.57	86.32	.....	.....	.....	84.73
25	86.31	86.50	87.25	86.37	89.07	87.61	86.46	86.20	86.20	84.80	79.50	79.95
Eom	86.07	88.40	86.58	86.01	87.82	87.75	85.45	84.95	84.95	84.80	79.50	83.79

PENNSYLVANIA

The observation-well program was continued in Pennsylvania during the period of 1973 through 1974 in cooperation with the Pennsylvania Topographic and Geologic Survey. Figure 12 shows the location of observation wells.

Well-Numbering System

Wells are numbered according to their latitude-longitude location, as explained on page 1. Local well numbers are also given.

The local well-numbering system used in Pennsylvania consists of a two-letter symbol for the name of the county and a serial number beginning with 1 in each county. For example, Mg-83 identifies the 83rd well recorded in Montgomery County.

Well Descriptions and Water-Level Measurements

Water levels are reported in feet below land-surface datum, unless otherwise indicated. When some measurements in a table are above and others below the plane of reference, a plus (+) or minus (-) sign is placed immediately before the first entry in each column. Measurements between plus signs are above the plane of reference, and those between minus signs are below the plane of reference.

Adams County

395846077040601. Local number Ad-146. U.S. Geol. Survey. State Game Land No. 249. Drilled observation artesian well in shale and sandstone of Gettysburg Shale, Triassic age, diam 6 in (15 cm), depth 100 ft (30 m), cased to 17 ft (5 m). Lsd 540 ft (165 m) above msl. MP top of plywood cover, 2.00 ft (0.61 m) above lsd. Highest water level (revised), 9.87 ft (3.01 m) below lsd, June 21, 1972; lowest 13.36 ft (4.07 m) below lsd, Sept. 24, 1972. Records available: 1968-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	11.28	.....	.....	11.21	11.77	.....	11.26	12.66	13.11	11.29	.....	.....
10	11.90	.....	.....	11.00	11.72	.....	12.10	12.87	13.23	11.66	.....	.....
15	12.22	.....	.....	.....	12.11	.....	12.42	12.87	11.50	11.84	.....	.....
20	12.09	.....	.....	.....	12.01	.....	12.45	12.65	11.71	11.9	.....	.....
25	11.49	11.9	11.80	11.65	.....	.....	12.63	12.88	11.76	.....	.....	.....
Eom	.....	.....	11.47	11.45	.....	11.38	12.85	13.13	11.18	.....	.....	.....
1974												
5	11.28	11.83	11.74	10.98	12.18	12.34	12.60	12.60	12.53	12.55	12.49	11.53
10	11.90	11.86	11.36	11.23	11.94	12.50	12.77	12.73	12.18	12.56	12.59	11.47
15	12.19	11.81	11.65	11.17	11.58	12.68	12.97	13.01	11.92	12.55	11.80	11.55
20	12.09	11.65	11.58	11.73	12.10	12.53	.....	13.11	12.27	12.23	.....	11.46
25	.....	11.53	.....	11.85	12.15	12.16	12.16	13.18	.....	12.37	11.73	11.62
Eom	.....	11.56	10.94	12.08	.....	12.18	12.92	13.14	12.42	12.52	11.95	11.82

Allegheny County

403734080063001. Local number Ag-700. U.S. Geol. Survey. State Game Land No. 203. Bradford Woods. Drilled observation artesian well in sandstone and shale of Conemaugh Formation, Pennsylvanian age, diam 6 in (15 cm), depth 100 ft (30 m), cased to 24 ft (7 m). Lsd 1,030 ft (314 m) above msl. MP top of plywood cover, 3.45 ft (1.05 m) above lsd. Highest water level 5.41 ft (1.65 m) below lsd, Mar. 25, 1973; lowest 8.94 ft (2.72 m) below lsd, Nov. 14, 1968. Records available: 1967-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	6.22	6.38	6.12	5.90	5.81	5.90	6.71	7.59	7.96	.....	7.88	7.30
10	6.16	6.37	6.01	5.81	5.73	6.15	6.84	7.32	8.13	.....	8.10	7.39
15	6.48	6.15	5.70	5.93	5.81	6.43	7.09	7.17	8.25	.....	7.62	7.32
20	6.54	.....	5.65	6.00	5.84	6.50	7.20	7.70	8.35	8.11	7.82	7.31
25	6.51	6.39	5.41	5.83	5.75	6.29	7.27	7.85	8.30	8.03	7.61	7.42
Eom	6.52	6.40	5.60	5.81	5.77	6.42	7.29	7.93	.....	7.64	7.60	7.05

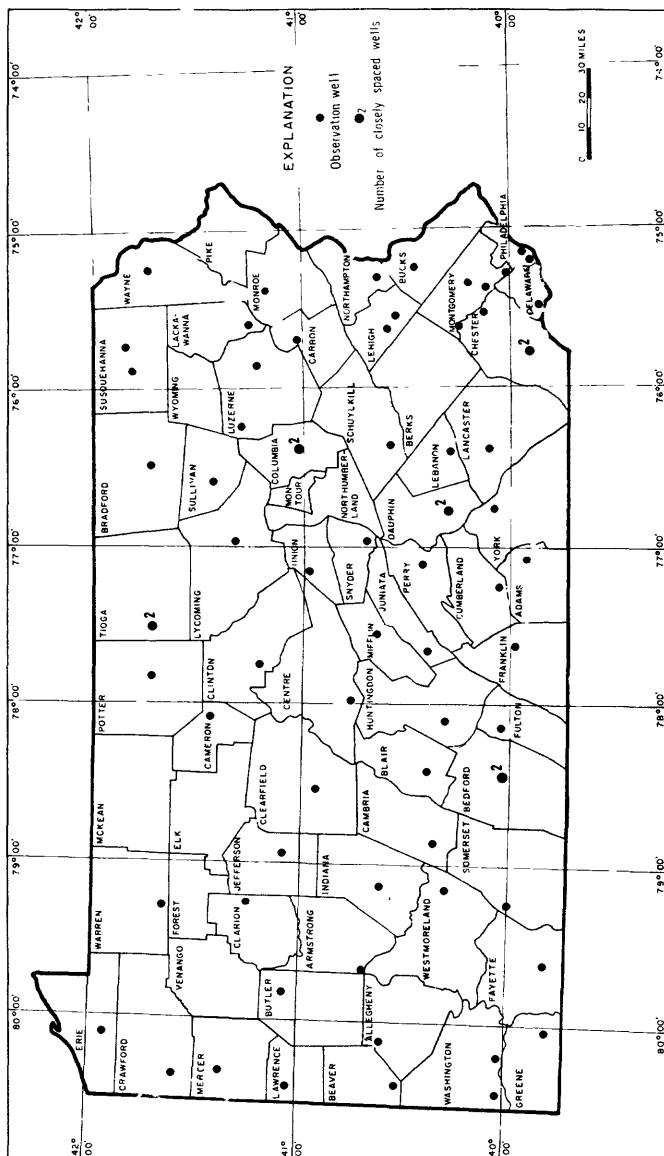


Figure 12.—Location of observation wells in Pennsylvania, 1973-74.

403734080063001--Continued.

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	7.18	6.47	6.23	5.80	6.20	5.93	6.11	7.19	8.03	7.62	7.33	6.84
10	7.17	6.32	6.27	6.00	6.03	5.90	6.58	7.32	7.66	7.51	7.26	6.35
15	6.84	6.52	5.97	5.80	5.96	6.30	6.65	7.55	7.56	7.51	7.32	6.42
20	6.41	6.53	6.01	6.18	5.94	6.47	6.81	7.65	7.55	7.70	6.94	6.22
25	6.21	6.47	6.30	6.30	5.80	6.26	6.93	7.75	7.45	7.43	7.15	6.32
Eom	6.16	6.29	6.00	6.26	5.78	6.26	7.11	7.83	7.42	7.60	7.12	6.28

Armstrong County

404056079395201. Local number Ar-2. Martin J. Cordera, Schenley. Drilled unused water-table well in sand and gravel of Quaternary age, diam 6 in (15 cm), depth 82 ft (25 m), casing information not available. Lsd 780 ft (238 m) above msl. MP top of casing, 0.38 ft (0.12 m) above lsd. Highest water level 24.82 ft (7.57 m) below lsd, Jan. 23, 1959; lowest 40.70 ft (12.41 m) below lsd, Dec. 11, 1957. Records available: 1949-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3, 1973	35.56	July 4, 1973	38.26	Jan. 2, 1974	35.66	July 10, 1974	37.48
10	37.27	11	38.68	9	36.00	17	38.68
17	37.78	18	38.95	16	36.48	24	38.94
24	32.92	25	38.71	23	31.33	31	38.92
31	36.41	Aug. 1	38.56	30	33.91	Aug. 7	38.74
Feb. 7	34.51	8	38.87	Feb. 6	35.57	14	38.68
17	30.93	15	38.52	13	36.84	21	38.97
21	37.78	22	38.50	20	37.77	28	37.62
28	37.76	29	38.64	27	35.30	Sept. 4	35.82
Mar. 7	33.97	Sept. 5	38.75	Mar. 6	33.84	11	38.12
14	32.35	12	38.98	13	31.94	18	37.96
21	31.96	19	38.71	20	34.95	25	37.42
28	34.82	26	38.66	27	36.06	Oct. 2	37.41
Apr. 4	34.30	Oct. 5	37.56	Apr. 3	33.49	9	38.25
11	35.12	10	38.24	10	33.63	16	38.06
18	36.37	17	38.59	17	34.74	23	38.05
25	33.70	24	38.74	24	36.16	30	38.12
May 2	34.86	31	35.86	May 8	36.70	Nov. 6	36.60
9	35.95	Nov. 7	37.47	15	33.27	13	36.72
15	35.19	14	38.11	22	36.04	20	36.03
23	36.07	21	37.69	29	37.36	27	33.72
30	36.16	28	35.01	June 5	38.26	Dec. 4	35.52
June 6	36.01	Dec. 5	36.14	12	38.55	11	34.56
13	36.91	12	35.96	19	37.52	18	35.22
20	37.63	19	35.62	26	38.16	25	34.92
27	37.74	26	33.82	July 3	34.05		

Beaver County

403006080252301. Local number Bv-156. U.S. Geol. Survey. Raccoon State Park. Drilled observation artesian well in shale of Conemaugh Formation, Pennsylvanian age, diam 6 in (15 cm), depth 101 ft (31 m), cased to 25 ft (8 m). Lsd 930 ft (283 m) above msl. MP top of plywood cover, 4.05 ft (1.23 m) above lsd. Highest water level 8.00 ft (2.44 m) below lsd, Mar. 15, 1971; lowest 13.72 ft (4.18 m) below lsd, June 5, 1968. Records available: 1967-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	9.67	9.43	9.39	9.51	9.70	10.01	11.12	11.98	11.57	10.98	10.92	10.07
10	9.66	9.38	9.25	9.30	9.81	10.21	11.35	11.80	11.60	11.08	11.30	10.11
15	9.80	9.20	8.90	9.52	10.25	10.60	11.51	11.70	11.64	11.31	10.80	10.00
20	9.88	9.41	8.85	9.58	10.30	10.55	11.63	11.68	11.79	11.71	10.69	10.00
25	9.78	9.57	9.12	9.50	9.91	10.47	11.80	11.43	11.62	11.68	10.40	9.92
Eom	9.61	9.60	9.52	9.37	9.94	10.81	11.80	11.64	11.10	10.92	10.19	9.83

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	9.83	9.50	9.14	8.80	9.00	9.22	9.30	9.84	9.50	9.62	9.20	9.10
10	9.74	9.37	9.02	8.98	9.07	9.10	9.20	9.90	9.55	9.60	9.34	8.77
15	9.60	9.58	9.02	8.91	8.72	9.30	9.47	10.02	9.50	9.59	9.40	8.80
20	8.88	9.50	9.10	9.20	8.81	9.10	9.68	9.98	9.66	9.65	9.17	8.67
25	9.18	9.46	9.30	9.20	8.92	9.20	9.74	10.00	9.32	9.69	9.23	8.54
Eom	9.28	9.46	9.12	9.15	8.91	9.30	9.84	9.62	9.42	9.75	9.33	8.75

Bedford County

400220078282001. Local number Bd-150. U.S. Geol. Survey. Bedford. Drilled observation artesian well in shale of Onondaga Limestone, Devonian age, diam 6 in (15 cm), depth 150 ft (46 m), cased to 47 ft (14 m). Lsd 1,140 ft (347 m) above msl. MP top of plywood cover, 3.05 ft (0.93 m) above lsd. Highest water level 3.93 ft (1.20 m) below lsd, Apr. 30, 1973; lowest 41.42 ft (12.62 m) below lsd, Feb. 12, 1966. Records available: 1965-74.

GROUND-WATER LEVELS, 1973-74, NORTHEASTERN STATES

400220078282001--Continued.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	12.72	11.00	15.58	8.06	4.90	6.24	15.46	.....	24.36	24.53	22.78	21.53
10	12.88	9.56	11.83	5.62	6.18	7.78	16.50	.....	25.00	24.73	23.57	19.11
15	14.43	10.30	10.97	5.28	7.17	9.70	17.60	.....	23.55	23.40	23.99	16.62
20	.....	11.94	10.10	6.68	8.50	11.60	18.63	.....	26.01	26.31	25.10	16.10
25	16.98	13.84	.....	7.83	9.20	15.00	.....	23.18	26.20	26.95	.....	14.25
Eom	13.80	14.78	12.03	3.93	4.91	14.40	.....	23.82	26.34	25.10	23.60	12.43

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	12.75	11.03	14.57	10.48	12.92	15.76	10.84	17.70	22.56	25.40	27.77	28.12
10	13.32	12.10	13.32	10.20	14.12	15.90	11.76	18.62	23.01	25.80	26.14	25.83
15	11.73	13.71	11.65	8.60	13.98	16.56	12.98	19.49	23.50	26.23	28.15	23.61
20	11.08	15.00	12.39	9.65	13.68	16.65	14.28	20.30	23.96	26.70	28.15	20.22
25	9.83	14.87	12.71	10.82	14.26	14.90	15.53	21.00	24.40	26.97	28.19	19.22
Eom	9.61	14.86	12.40	11.83	15.12	12.50	16.70	21.80	24.87	27.43	28.19	19.70

400224078280801. Local number Bd-154. U.S. Geol. Survey. Bedford. Drilled observation artesian well in sandstone of Oriskany Formation, Devonian age, diam 6 in (15 cm), depth 183 ft (56 m), cased to 163 ft (50 m), perforated 163-183 ft (50-56 m). Lsd 1,130 ft (344 m) above msl. MP top of plywood cover, 3.67 ft (1.12 m) above lsd. Highest water level 22.61 ft (6.89 m) below lsd, July 5, 1972; lowest 38.39 ft (11.70 m) below lsd, Nov. 21, 1966. Records available: 1966-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	25.57	26.43	27.53	26.00	23.82	.....	.....	30.32	31.31	31.77	29.66	29.03
10	25.98	25.52	26.99	24.50	24.22	.....	.....	30.60	31.56	31.51	28.90	28.42
15	26.65	25.43	26.46	23.84	25.08	.....	.....	30.85	31.76	31.43	28.82	27.14
20	.....	26.20	26.40	24.30	25.47	.....	.....	31.05	31.90	31.58	29.30	26.64
25	27.73	26.98	.....	24.68	.....	.....	29.52	31.10	32.10	31.78	.....	26.31
Eom	27.49	27.34	26.94	24.08	.....	.....	29.99	31.20	32.08	31.32	29.58	25.57

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	25.28	25.20	27.78	27.90	27.82	29.88	31.19	31.45	32.99	34.25	35.65	36.68
10	25.35	25.66	28.04	27.78	28.14	30.20	31.10	31.67	33.23	34.55	35.85	36.78
15	25.50	26.10	28.03	27.66	28.48	30.52	31.02	31.90	33.46	34.77	36.03	36.79
20	25.43	26.63	27.85	27.49	28.83	30.80	31.02	35.11	33.68	35.00	36.20	36.63
25	25.27	27.17	27.79	27.42	29.16	31.08	31.10	32.35	33.92	35.20	36.37	36.33
Eom	25.07	27.47	27.91	27.59	29.55	31.21	31.23	32.72	34.10	35.46	36.56	35.96

Blair County

402452078271301. Local number Ba-74. U.S. Geol. Survey. National Park Land. Drilled observation artesian well in shale of Brallier Formation, Devonian age, diam 6 in (15 cm), depth 150 ft (46 m), cased to 14 ft (4 m). Lsd 1,130 ft (344 m) above msl. MP top of casing, 1.80 ft (0.55 m) above lsd. Highest water level 11.01 ft (3.36 m) below lsd, Apr. 5, 1974; lowest 18.65 ft (5.68 m) below lsd, Oct. 29, 1969. Records available: 1969-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	12.19	.....	11.70	12.00	.....	13.14	12.87	13.71	12.80	12.40	11.76
10	.....	11.05	.....	11.22	12.10	.....	13.58	12.96	14.12	12.81	12.88	11.55
15	13.25	11.41	.....	11.82	12.23	.....	13.85	13.50	14.20	12.90	12.81	11.5
20	13.55	.....	.....	12.40	12.46	.....	14.13	13.55	14.15	13.23	13.10	11.5
25	12.97	.....	.....	12.20	12.26	.....	13.65	12.80	14.10	13.54	13.10	11.70
Eom	12.64	.....	.....	11.49	.....	13.25	13.15	13.30	13.82	12.52	11.93	11.28

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	11.45	11.6	.....	11.01	12.46	13.12	12.75	14.42	14.85	15.48	15.57	14.05
10	12.00	12.18	.....	11.40	13.37	13.02	14.28	14.72	15.61	15.49	13.49	13.16
15	11.58	12.47	.....	11.15	11.91	13.89	13.57	14.49	14.82	15.63	14.96	13.16
20	11.21	12.87	11.70	11.92	12.15	13.87	13.99	14.74	14.90	15.54	14.75	12.90
25	11.14	12.21	12.06	11.98	12.42	13.70	14.39	14.99	14.92	15.42	14.65	12.71
Eom	11.26	12.17	11.82	12.35	12.83	13.15	14.13	15.02	15.00	15.59	14.71	12.59

Bradford County

414330076280501. Local number Br-92. U.S. Geol. Survey. Monroeton. Drilled observation artesian well in Gardeau Shale Member of West Falls Formation, Devonian age, diam 6 in (15 cm), depth 117 ft (36 m), cased to 55 ft (17 m). Lsd 750 ft (229 m) above msl. MP top of casing, 3.05 ft (0.93 m) above lsd. Highest water level 2.14 ft (0.65 m) below lsd, Mar. 4, 1972; lowest 11.01 ft (3.36 m) below lsd, Oct. 27, 1969. Records available: 1966-74.

414330076280501--Continued.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	5.01	4.30	8.12	3.82	7.08	6.49	7.81	9.98	10.51	9.84	10.31	9.50
10	6.12	4.77	7.32	3.14	7.64	7.31	8.62	10.20	10.36	10.03	10.40	6.10
15	7.29	6.28	7.43	4.04	7.17	7.75	9.08	10.29	10.10	10.21	10.42	5.19
20	7.96	7.30	5.04	5.38	6.89	8.20	9.40	10.08	9.79	10.39	10.30	5.92
25	7.55	7.92	5.74	6.64	6.30	8.39	9.60	10.22	9.35	10.49	10.50	3.00
Eom	7.76	8.28	6.71	6.56	5.80	7.05	9.80	10.40	9.61	10.38	9.48	2.91
1974												
5	4.28	4.87	5.93	2.92	7.53	9.42	7.80	10.19	8.64	9.82	10.42	8.34
10	5.70	e6.0	4.90	3.91	8.13	9.70	8.64	10.37	9.02	10.03	10.20	3.88
15	6.73	e6.9	4.80	2.80	8.15	9.94	9.20	10.49	9.33	10.20	8.91	4.05
20	6.70	7.65	6.01	4.15	8.57	9.51	9.62	10.61	9.62	10.23	8.96	3.30
25	3.34	5.30	6.16	5.68	8.92	9.67	9.92	10.76	9.26	10.31	8.58	4.19
Eom	3.36	5.71	6.78	6.86	9.23	9.57	9.92	10.59	9.58	10.42	8.12	4.64

e Estimated.

Bucks County

402643075150501. Local number Bk-929. U.S. Geol. Survey. Nockamixon State Park. Drilled observation artesian well in shale of Brunswick Formation, Triassic age, diam 6 in (15 cm), depth 116 ft (35 m), cased to 27 ft (8 m). Lsd 460 ft (140 m) above ms1. MP top of plywood cover, 1.05 ft (0.32 m) above lsd. Highest water level 47.28 ft (14.11 m) below lsd, Dec. 25, 1974; lowest 59.75 ft (18.21 m) below lsd, Nov. 26, 1968. Records available: 1967-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	50.30	50.00	50.83	48.55	48.39	.....	50.60	.....	53.06	.....	.....	.....
10	50.	49.62	50.80	48.43	48.48	.....	50.2	.....	53.56	.....	.....	.....
15	50.62	49.05	50.50	48.60	48.90	.....	50.4	.....	54.03	.....	.....	.....
20	51.00	49.80	49.78	48.74	48.82	.....	50.8	.....	54.22	.....	.....	53.95
25	51.23	50.48	49.75	48.63	49.0	50.39	.....	52.32	.....	.....	.....	53.00
Eom	51.05	50.60	49.42	48.90	.....	50.86	.....	52.82	.....	.....	.....	51.52
1974												
5	51.18	50.00	.....	.....	.....	.....	48.12	50.11	50.45	48.90	47.90	49.29
10	50.89	49.	.....	.....	.....	.....	48.10	50.36	49.30	48.52	46.40	48.45
15	50.38	50.50	.....	.....	.....	.....	48.46	50.50	48.76	48.60	48.68	49.16
20	50.58	50.89	.....	.....	.....	.....	48.89	50.90	48.81	48.38	48.10	48.21
25	50.2	50.60	.....	.....	.....	.....	48.28	49.25	50.88	49.10	47.90	48.86
Eom	49.	.....	48.00	.....	.....	.....	48.20	49.68	50.66	48.89	47.97	49.95
1974												

Butler County

410501079524401. Local number Bt-311. U.S. Geol. Survey. State Game Land No. 95. Drilled observation artesian well in middle part of Kittanning Formation, Late Pennsylvanian age, diam 6 in (15 cm), depth 89 ft (27 m), cased to 12 ft (4 m). Lsd 1,465 ft (447 m) above ms1. MP top of casing, 2.30 ft (0.70 m) above lsd. Highest water level 6.55 ft (2.00 m) below lsd, Apr. 15, 1974; lowest 29.21 ft (8.90 m) below lsd, July 24, 1974. Records available: 1970-74.

Lowest water level for the day, from recorder graph, 1970

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15.85
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15.60	.....
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17.70	15.00
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17.30	14.65
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17.17	14.80
Eom	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16.33	16.50
1971												
5	16.35	16.96	12.16	10.83	15.32	15.70	22.38	25.68	27.65	27.12	27.90	.....
10	16.72	14.95	12.20	11.32	11.70	16.52	23.05	25.82	27.74	27.09	28.00	.....
15	.....	14.87	10.95	11.80	12.08	16.70	23.42	26.38	25.30	27.45	28.20	16.55
20	.....	14.30	10.72	12.65	12.48	17.85	24.00	26.60	23.40	27.60	28.20	15.88
25	.....	12.82	11.09	13.17	12.60	19.39	24.62	27.08	26.00	27.40	28.92	16.05
Eom	.....	12.45	10.30	14.55	13.65	21.00	25.32	27.35	27.07	27.70	23.78	14.80
1972												
5	14.13	13.95	11.70	.....	.....	14.45	.....	19.56	25.73	25.94	16.66	10.80
10	14.00	14.90	.....	.....	.....	16.30	10.10	20.73	25.80	20.25	14.80	10.77
15	14.86	13.30	.....	.....	.....	.....	10.21	22.37	21.38	24.65	13.10	10.40
20	14.46	13.64	.....	.....	.....	.....	11.16	23.76	20.60	26.20	12.62	10.02
25	13.93	13.32	.....	.....	.....	.....	13.03	24.36	25.51	26.49	12.40	10.12
Eom	13.90	13.09	.....	.....	.....	.....	17.59	25.47	25.58	26.50	12.03	10.02

410501079524401--Continued.

1973												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	9.90	.....	10.29	8.50	8.88	10.89	14.35	24.12	23.72	21.80	12.20	.....
10	10.12	.....	10.37	8.90	8.80	12.00	18.00	24.23	24.61	19.94	11.60	.....
15	10.68	.....	10.08	9.31	8.90	11.84	20.49	19.80	25.00	21.48	10.82	.....
20	10.88	.....	9.40	8.91	8.79	12.42	23.20	15.20	25.57	24.72	10.51	.....
25	10.40	11.01	9.50	8.71	9.95	11.29	19.80	15.00	26.02	25.61	13.20	.....
Em	....	10.39	9.24	8.69	10.27	12.53	22.69	19.90	25.42	13.20	.....	.....
1974												
5	.....	10.40	9.96	9.45	7.14	12.42	.....	.....	21.10	26.71	27.23	14.42
10	.....	10.22	9.93	7.00	9.57	15.05	.....	25.97	26.08	26.77	26.81	9.43
15	.....	10.48	9.90	6.55	9.66	19.24	.....	25.63	26.49	26.90	23.55	9.81
20	10.21	10.31	9.93	7.53	9.73	23.40	28.01	25.80	26.70	27.18	26.30	9.40
25	10.31	10.37	10.15	7.55	9.94	27.38	.....	26.00	21.46	27.21	17.95	.....
Em	10.11	10.14	9.78	7.77	10.50	.....	.....	26.10	26.33	27.38	15.17	8.32

Cambria County

401935078550601. Local number Ca-1. Johnstown Tribune Publishing Co. Johnstown. Drilled unused water-table well in sandstone of Homewood Formation, Pennsylvania age, diam 12 to 8 in (30 to 20 cm), depth 180 ft (55 m), cased to 45 ft (14 m). Lsd 1,165 ft (355 m) above msf. MSL top of casing, 10.00 ft (3.05 m) below lsd. Highest water level 14.50 ft (4.24 m) below lsd, Mar. 29, 1965; lowest 26.78 ft (8.16 m) below lsd, July 23, 1953. Records available: 1952-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1973	18.5	July 18, 1973	18.8	Jan. 14, 1974	15.1	July 15, 1974	16.9
9	18.3	23	18.9	21	15.1	22	17.2
15	18.5	30	18.9	28	15.8	29	17.3
22	18.5	Aug. 6	18.9	Feb. 4	16.3	Aug. 5	17.2
29	17.6	13	19.0	11	16.7	12	17.1
Feb. 6	17.0	20	18.9	18	16.8	19	17.4
12	17.7	27	18.9	25	16.7	26	17.3
20	17.9	Sept. 4	19.2	Mar. 4	16.3	Sept. 3	16.9
26	17.7	10	19.3	11	15.4	9	17.0
Mar. 3	17.60	17	19.2	18	16.2	16	16.7
12	17.7	24	18.9	25	16.3	23	17.1
19	17.78	Oct. 1	18.4	Apr. 1	16.3	30	17.1
Apr. 2	17.6	8	18.5	8	16.1	Oct. 7	17.3
9	17.0	15	18.5	15	15.5	14	17.3
16	17.7	22	18.8	22	16.4	21	17.3
23	18.3	29	17.6	29	16.5	28	17.3
May 30	16.8	Nov. 5	16.9	May 6	16.6	Nov. 4	17.3
8	18.3	12	17.5	13	15.8	11	17.2
14	17.9	19	17.1	20	16.6	18	17.2
23	18.5	26	15.6	28	16.8	25	17.0
29	17.5	Dec. 3	16.5	June 3	16.1	Dec. 2	16.5
June 6	18.2	10	16.4	10	16.7	9	15.9
11	18.5	17	16.6	17	16.6	16	16.2
18	18.6	24	16.3	24	16.0	23	17.1
25	18.9	31	15.6	July 1	15.6	30	16.1
July 9	19.00	Jan. 7, 1974	16.2	8	16.6		

Cameron County

142732078034201. Local number Cm-13. U.S. Geol. Survey, Sinnemahoning State Park. Drilled observation artesian well in sandstone of Catskill Formation, Mississippian and Devonian age, diameter 6 in (15 cm), depth 102 ft (31 m), cased to 57 ft (17 m). Lsd 1,010 ft (308 m) above msl. MP top of plywood cover, 3.07 ft (0.94 m) above lsd. Highest water level (revised), 21.50 ft (6.55 m) above lsd, June 23, 1972; lowest 25.98 ft (7.92 m) below lsd, Sept. 10, 1972. Records available: 1967-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	24.04	23.95	24.11	23.84	23.78	23.66	24.08	24.54	24.24	24.32	23.88	....
10	24.16	23.95	23.96	23.66	23.70	23.59	24.22	24.56	24.21	24.23	24.06	....
15	24.32	23.94	23.66	24.11	23.73	23.69	24.33	24.52	24.24	24.11	23.80	....
20	24.34	24.04	23.62	23.94	23.57	23.84	24.28	24.21	24.30	24.31	24.12	....
25	24.22	24.36	23.80	23.74	23.66	23.78	24.26	24.28	24.53	24.27	....	....
Eom	24.32	24.28	23.95	23.85	23.77	23.96	24.37	24.28	24.46	23.72	....	....
1974												
5	23.38	23.47	23.36	22.84	....	23.70	23.37	23.90	24.01	23.85	23.65	23.68
10	23.49	23.50	23.31	23.24	....	23.69	23.44	24.18	23.88	23.80	23.68	23.18
15	23.40	....	....	23.38	....	23.88	23.56	24.27	23.90	23.80	23.51	23.36
20	23.42	....	....	....	....	23.70	23.70	24.30	23.90	23.81	23.35	23.19
25	23.33	23.54	23.52	....	....	23.24	23.74	23.75	24.61	23.72	23.85	23.35
Eom	23.49	23.53	23.08	....	....	23.38	23.62	23.80	24.12	23.62	23.95	23.58

Carbon County

410123075425401. Local number Cb-104. U.S. Geol. Survey. Hickory Run State Park. Drilled observation artesian well in shale of Mauch Chunk Formation, Pennsylvanian and Mississippian age, diam 6 in (15 cm), depth 125 ft (38 m), cased to 20 ft (6 m). Lsd 1,290 ft (393 m) above msl. MP top of casing, 3.00 ft (0.91 m) above lsd. Highest water level 21.12 ft (6.44 m) below lsd, Apr. 5, 1970; lowest 83.51 ft (25.45 m) below lsd, Nov. 8, 1972. Records available: 1969-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	32.33	26.40	50.37	34.80	43.43	40.42	25.50	.....	62.10	50.00	52.62	47.20
10	37.50	29.80	52.60	29.90	45.75	36.70	31.20	.....	64.07	50.10	51.05	34.30
15	42.40	34.97	50.47	30.00	37.20	40.45	38.20	.....	65.78	52.20	52.28	30.00
20	45.49	40.30	37.50	35.33	34.30	45.05	44.03	.....	63.25	55.39	54.82	32.20
25	36.84	44.50	35.28	40.60	36.09	48.99	.....	55.31	58.	58.51	.....	22.85
Eom	33.51	46.80	39.11	42.70	37.00	32.99	.....	59.50	.....	59.95	56.40	24.12
1974												
5	30.28	34.12	39.32	29.72	49.66	51.80	59.15	.....	69.37	50.28	62.55	.....
10	36.43	39.65	40.37	29.45	52.56	55.05	58.50	.....	.....	51.90	64.52	.....
15	41.15	44.72	36.63	32.62	42.75	58.16	60.55	.....	.....	54.70	.....	.....
20	42.73	48.90	35.95	37.90	39.35	60.55	63.15	.....	.....	57.26	57.18	29.18
25	34.80	39.50	33.26	42.50	43.00	62.32	.....	.....	51.90	58.60	52.93	33.99
Eom	30.25	36.72	37.44	46.15	47.80	63.02	.....	.....	53.59	60.62	51.08	39.64

Centre County

404618077575501. Local number Ce-118. U.S. Geol. Survey. State Game Land No. 176. Drilled observation artesian well in sandstone and dolomite of Gatesburg Formation, Cambrian age, diam 6 in (15 cm), depth 130 ft (40 m), cased to 40 ft (12 m). Lsd 1,150 ft (356 m) above msl. MP top of casing, 2.50 ft (0.76 m) above lsd. Highest water level 54.8 ft (16.7 m) below lsd, Oct. 7, 1972; lowest 80.14 ft (24.43 m) below lsd, Mar. 16, 1970. Records available: 1968-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	57.80	58.68	59.33	59.73	59.88	59.71	58.79	58.10	57.7	58.01	58.55	59.34
10	57.96	58.79	59.43	59.77	59.86	59.52	58.67	57.98	57.7	58.08	58.71	59.47
15	58.12	58.83	59.47	59.89	59.90	59.36	58.53	57.89	57.7	58.10	58.73	59.61
20	.....	59.02	59.57	59.90	59.83	59.24	58.45	57.85	57.7	58.24	58.96	59.76
25	58.44	59.18	.....	59.89	59.80	59.07	55.2	57.8	57.88	58.31	.....	59.90
Eom	58.67	59.24	59.66	59.91	59.76	58.95	58.18	57.7	57.93	58.37	59.24	59.97
1974												
5	60.11	60.81	61.42	e61.9	62.14	62.24	62.31	62.04	62.72	63.14	63.70	64.41
10	60.22	60.88	61.55	61.97	62.17	62.22	62.31	62.04	62.75	63.21	63.83	64.49
15	60.38	61.02	61.62	61.96	62.17	62.25	62.35	62.05	62.82	63.29	63.94	64.60
20	60.51	61.14	61.69	62.04	62.22	62.27	62.35	62.05	62.88	63.43	64.00	64.65
25	60.60	61.26	61.86	62.08	62.19	62.28	62.38	62.61	62.97	63.50	64.17	64.77
Eom	60.68	61.29	61.93	62.10	62.20	62.30	62.03	62.64	63.03	63.51	64.30	64.88

e Estimated.

Chester County

395450075485401. Local number Ch-10. Robert J. Kleberg, Jr. Doe Run. Drilled unused water-table well in Cockeysville Marble, Precambrian age, diam 6 in (15 cm), depth 34 ft (10 m), casing information not available. Lsd 300 ft (91 m) above msl. MP top of wooden cover, 1.00 ft (0.30 m) above lsd. Highest water level 8.28 ft (2.52 m) below lsd, Mar. 30, 1958; lowest 16.22 ft (4.94 m) below lsd, Nov. 3, 1963. Records available: 1951-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	10.32	.....	10.85	9.49	10.26	10.16	10.31	11.98	13.10	13.51	13.82	14.27
10	10.73	.....	10.78	9.20	10.39	10.20	10.73	12.21	13.13	13.62	13.99	13.47
15	11.15	.....	10.99	9.67	10.78	10.27	10.12	12.40	13.23	13.60	14.05	13.28
20	11.30	.....	11.01	10.19	10.97	.....	11.43	12.58	13.23	13.81	14.12	13.3
25	.....	10.78	11.21	10.42	10.94	11.45	11.69	12.74	13.36	13.89	14.20	11.32
Eom	.....	10.93	10.90	9.90	10.08	11.64	12.00	12.92	13.45	13.72	14.21	10.57
1974												
5	10.53	11.45	12.28	10.69	11.91	12.97	13.08	13.85	14.28	14.09	14.50	14.26
10	10.95	11.7	12.38	10.10	12.18	13.10	13.30	13.90	14.15	14.29	14.55	12.40
15	10.56	12.0	12.53	10.10	12.11	13.30	13.49	14.00	14.23	14.37	14.60	12.67
20	10.88	12.17	12.55	10.73	12.43	13.42	13.62	14.07	14.32	14.22	14.61	11.74
25	10.58	12.13	12.08	11.18	.....	13.02	13.76	14.14	14.39	14.32	14.61	12.21
Eom	11.00	12.21	11.40	11.60	12.82	12.90	13.88	14.24	14.02	14.41	14.69	12.68

395315075484601. Local number Ch-11. J. E. Ryan. West Marlboro Township. Dug unused water-table well in Baltimore Gneiss, Precambrian age, diam 24 in (61 cm), depth 20 ft (6 m), cased with stone. Lsd 540 ft (165 m) above msl. MP top of manhole cover, at lsd. Highest water level 10.24 ft (3.12 m) below lsd, Mar. 20, 1953; lowest 16.54 ft (5.04 m) below lsd, Oct. 24, 1963. Records available: 1950-74.

Date	Water level						
Jan. 24, 1973	11.33	July 23, 1973	11.34	Jan. 21, 1974	12.70	July 24, 1974	12.77
Feb. 22	10.68	Aug. 23	12.05	Feb. 25	11.79	Aug. 26	13.17
Mar. 22	10.99	Sept. 24	12.59	Mar. 27	11.79	Sept. 23	13.40
Apr. 22	10.39	Oct. 24	13.50	Apr. 22	11.03	Oct. 21	13.33
May 20	10.79	Nov. 20	13.20	May 28	11.87	Nov. 29	13.51
June 25	11.26	Dec. 19	12.90	June 26	12.98	Dec. 18	12.77

400805075304801. Local number Ch-152. Phoenix Iron and Steel Co. Phoenixville. Drilled unused artesian well in sandstone of Stockton Formation, Triassic age, diam 12 to 8 in (30 to 20 cm), depth 750 ft (229 m), cased to 35 ft (11 m). Lsd 85 ft (26 m) above msl. MP top of platform, 0.30 ft (0.09 m) above lsd. Highest water level flowing, many times during period of record; lowest 13.40 ft (4.08 m) below lsd, Sept. 5, 1966. Records available: 1972-73. Measurement discontinued. Water levels affected by pumping.

Jan. 25, 1973	(J)	Apr. 23, 1973	(J)	July 24, 1973	(J)	Oct. 24, 1973	(J)
Feb. 23	(J)	May 23	(J)	Aug. 24	(J)	Nov. 20	(J)
Mar. 23	(J)	June 25	(J)	Sept. 24	(J)	Dec. 19	(J)

J Flowing.

Clarion County

412020079133901. Local number Cr-3. Commonwealth of Pennsylvania. Cook Forest State Park. Drilled unused water-table well in shale and sandstone of Pottsville Group, Pennsylvanian age, diam 6 in (15 cm), depth 130 ft (40 m), cased to 12 ft (4 m). Lsd 1,530 ft (466 m) above msl. MP top of casing, 0.80 ft (0.24 m) above lsd. Highest water level 37.50 ft (11.43 m) below lsd, May 6, 1966; lowest 92.20 ft (28.10 m) below lsd, Dec. 6, 1952. Records available: 1950-73. Measurement discontinued. Recording gage removed June 15, 1973.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	40.8	42.60	.....	.....	.....	39.00	.....	.....	.....	.....	.....	.....
10	40.8	42.1	.....	.....	.....	39.1	.....	.....	.....	.....	.....	.....
15	40.83	41.27	41.46	.....	.....	39.3	.....	.....	.....	.....	.....	.....
20	41.60	41.27	.....	.....	38.5	.....	.....	.....	.....	.....	.....	.....
25	42.20	42.5	.....	.....	38.6	.....	.....	.....	.....	.....	.....	.....
Eom	42.7	.....	.....	.....	39.00	.....	.....	.....	.....	.....	.....	.....

Clearfield County

405810078313301. Local number Cf-4. Jared I. McNaul. Curwensville. Dug unused water-table well in shale and sandstone of Allegheny Group, Pennsylvanian age, diam 5 ft (2 m), depth 30 ft (9 m), casing information not available. Lsd 1,160 ft (354 m) above msl. MP top of 1-in (2.5-cm) pipe in cover, at lsd. Highest water level 16.78 ft (5.11 m) below lsd, June 25, 1972; lowest 21.44 ft (6.53 m) below lsd, Nov. 16, 23, 1964. Records available: 1946-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7, 1973	19.20	July 8, 1973	19.88	Jan. 6, 1974	19.10	July 7, 1974	19.40
14	19.60	15	20.03	13	19.59	14	19.80
21	19.88	22	19.64	20	17.80	21	20.02
28	19.70	29	19.43	27	18.13	28	20.10
Feb. 4	18.46	Aug. 5	19.83	Feb. 3	18.67	Aug. 4	19.43
11	18.85	12	20.05	10	19.46	11	19.75
18	19.52	19	20.14	17	19.71	18	20.04
25	19.83	25	20.01	24	19.20	25	20.13
Mar. 4	19.71	Sept. 2	20.18	Mar. 3	19.29	Sept. 1	18.77
11	19.03	9	20.25	10	18.33	8	18.50
18	17.75	16	20.30	17	18.59	15	19.37
25	18.76	23	20.31	24	18.56	22	19.58
Apr. 1	19.46	30	20.29	31	18.33	28	19.55
8	18.32	Oct. 7	20.01	Apr. 7	18.06	Oct. 6	19.88
15	18.64	14	20.10	14	18.76	13	20.06
22	19.34	21	20.26	21	19.27	20	20.08
29	18.53	28	20.33	28	19.54	27	20.18
May 6	19.01	Nov. 4	19.57	May 5	19.51	Nov. 3	20.22
13	18.44	11	19.89	12	19.62	10	20.09
20	19.01	18	20.12	19	19.06	17	19.90
27	19.01	25	20.03	26	19.54	24	19.76
June 3	19.02	Dec. 2	18.73	June 2	19.73	Dec. 1	19.79
10	19.46	9	19.60	9	19.85	8	19.33
17	19.61	16	19.18	16	19.99	15	19.02
24	19.62	23	18.77	23	19.88	22	19.03
July 1	19.74	30	18.48	30	19.48	29	18.29

Clinton County

411424077462301. Local number Cn-1. Commonwealth of Pennsylvania. Sproul State Forest. Drilled unused water-table well in sandstone of Pocono Formation, Mississippian and Devonian age, diam 6 in (15 cm), depth 78 ft (24 m), cased to 38 ft (12 m). Lsd 2,050 ft (625 m) above msrl. MP top of platform, 0.20 ft (0.06 m) above lsd. Highest water level 44.00 ft (13.41 m) below lsd. Jan. 13, 1951; lowest 57.00 ft (17.37 m) below lsd, Dec. 8, 1964. Records available: 1950-74.

Lowest water level for the day, from recorder graph, 1973

1974

5	47.27	.....	47.98	47.22	47.18	48.11	.....	.....	50.24	49.64	.....	49.93
10	47.32	.....	47.80	47.03	47.46	48.38	.....	49.39	49.90	.....	50.54	.....
15	47.53	.....	47.46	46.64	47.42	48.67	47.93	49.66	49.74	.....	50.53	.....
20	47.70	.....	47.27	46.69	47.41	48.54	48.21	49.96	49.74	.....	50.32	.....
25	47.54	47.87	47.41	47.46	49.54	.....	50.20	.....	49.61	.....	50.20	.....
Eom	e47.83	47.92	47.45	47.77	.....	.....	50.44	.....	49.52	.....	50.00	.....

e Estimated.

Columbia County

410010076275001. Local number Co-1. Fred E. Walters. Fernville. Dug unused water-table well in sand of Quaternary age, diam 36 in (91 cm), depth 19 ft (6 m), cased with stone. Lsd 490 ft (149 m) above msrl. MP top of concrete cover, 2.40 ft (0.73 m) above lsd. Highest water level 4.75 ft (1.45 m) below lsd, Sept. 2, 1933; lowest 14.38 ft (4.38 m) below lsd, Nov. 28, 1931. Records available: 1933-74.

410033076264901. Local number Co-45. U.S. Geol. Survey. Bloomsburg. Drilled observation
artesian well in Bloomsburg area, Silurian age, diam 6 in (15 cm), depth 282 ft (86 m), cased
to 32 ft (10 m). Lsd 690 ft (210 m) above msl. MP top of plywood cover, 2.60 ft (0.79 m) above
lsd. Highest water level 81.27 ft (24.77 m) below lsd, Apr. 4, 1974; lowest 88.78 ft (27.06 m)
below lsd, Oct. 18, 20, 21, 1972. Records available: 1970-74.

Lowest water level for the day, from recorder graph, 1970

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	86.10	86.04
10	86.20	86.90
15	85.81
20	85.69	85.70
25	86.07	86.11	86.11
30	86.10	86.11	86.11

1971

5	.....	.....	.....	85.62	86.40	.....	.....	86.35	88.43	88.49	.....	.....
10	.....	.....	.....	86.02	85.58	.....	.....	85.74	86.64	88.58	88.51	.....
20	.....	.....	.....	85.50	85.50	.....	.....	85.72	87.81	88.30	88.18	84.19
25	.....	.....	.....	84.75	85.10	86.44	.....	85.74	87.98	88.24	88.34	84.55
Eom	.....	.....	.....	84.58	85.41	86.45	.....	87.43	87.71	88.17	88.40	84.82

GROUND-WATER LEVELS, 1973-74, NORTHEASTERN STATES

410033076264901--Continued.

1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	84.60	84.61	83.50	84.22	82.26	83.52	.....	86.22	.....	88.52	88.44	85.85
10	84.43	85.01	84.32	84.42	82.04	83.71	.....	85.97	87.98	88.53	87.53	83.60
15	84.36	84.34	83.58	84.30	82.80	84.32	.....	86.33	87.76	88.52	86.76	84.95
20	.....	84.97	83.50	83.16	83.29	84.03	.....	86.52	88.13	88.78	86.35	84.84
25	.....	85.03	82.78	83.05	84.18	.....	.....	86.97	88.06	88.56	86.59	84.11
Eom	.....	84.53	83.86	83.64	84.22	.....	85.95	87.34	88.13	88.52	86.32	84.64

1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	84.24	84.36	85.79	84.29	84.41	84.37	83.63	85.60	87.03	86.21	86.50	85.60
10	84.57	84.54	85.53	83.13	84.55	84.23	84.08	85.85	87.18	86.23	87.01	83.90
15	85.19	84.60	85.23	83.95	.....	84.52	84.60	85.80	86.10	86.30	86.71	85.18
20	85.24	85.09	84.69	84.44	83.75	85.08	84.98	86.00	85.88	86.68	86.94	.....
25	85.34	85.65	84.93	84.32	84.25	85.50	85.11	86.52	86.06	86.88	86.54	.....
Eom	85.14	85.79	85.07	84.33	84.18	83.70	85.48	86.90	86.06	86.12	86.35	.....

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	84.61	81.95	84.22	84.50	83.03	84.42	84.13	84.58	.....	84.94
10	83.70	82.20	.....	84.60	83.49	84.82	.....	85.00	.....	84.04
15	83.84	82.90	.....	84.70	84.05	85.19	.....	85.23	.....	84.24
20	83.95	83.54	84.12	83.82	84.32	85.50	.....	85.20	.....	83.82
25	83.74	83.87	84.03	.....	84.60	85.60	84.25	.....	.....	84.06
Eom	84.75	81.90	84.03	84.53	82.33	84.40	84.80	84.18	.....	.....	84.24

Crawford County

413542080245001. Local number Cw-413. U.S. Geol. Survey. State Game Land No. 214. Near Hartstown. Drilled observation artesian well in sandstone of Cussewago Sandstone, Mississippian age, diam 6 in (15 cm), depth 100 ft (30 m), cased to 19 ft (6 m). Lsd 1,110 ft (338 m) above msl. MP top of casing, 2.70 ft (0.82 m) above lsd. Highest water level 20.20 ft (6.16 m) below lsd, May 23, 1969; lowest 48.94 ft (14.92 m) below lsd, July 19, 1967. Records available: 1967-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	28.80	26.01	26.16	26.23	26.74	27.58	27.68	39.00	28.41	28.40	.....	28.67
10	27.15	26.07	26.18	25.90	26.55	26.57	27.85	36.00	28.80	27.11	37.60	27.20
15	27.30	26.06	26.06	26.63	27.06	27.12	27.93	34.22	28.81	27.10	35.00	27.02
20	27.01	28.40	26.20	26.80	26.42	28.23	28.60	33.50	29.00	.....	31.41	26.83
25	27.52	26.80	26.16	28.93	27.12	27.81	28.28	29.31	29.03	.....	29.22	26.73
Eom	26.07	26.73	26.95	27.50	26.57	27.83	28.31	28.68	28.94	.....	27.69	27.68

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	26.53	26.54	.....	27.30	28.74	29.20	29.55	33.50	30.90	.....	29.24	26.93
10	27.88	26.72	.....	26.39	27.72	29.77	28.52	33.15	30.20	.....	27.85	26.14
15	28.49	27.05	.....	26.40	26.24	29.48	28.89	31.35	29.88	.....	26.95	25.88
20	26.99	26.64	.....	27.32	26.99	.....	29.10	31.30	29.67	.....	26.50	25.62
25	26.62	.....	26.66	27.00	27.67	31.08	29.35	31.52	.....	29.07	30.54	26.07
Eom	26.08	.....	26.08	27.87	28.45	30.59	30.70	31.02	.....	29.22	28.48	26.34

Cumberland County

4100209077183301. Local number Cu-2. Commonwealth of Pennsylvania. Michaux State Forest. Drilled unused water-table well in metarhyolite of Precambrian age, diam 6 in (15 cm), depth 37 ft (11 m), casing information not available. Lsd 955 ft (291 m) above msl. MP top of casing, 1.50 ft (0.46 m) above lsd. Highest water level 9.51 ft (2.90 m) below lsd, Apr. 18, 1961; lowest 33.50 ft (10.21 m) below lsd, Feb. 3, 1955. Records available: 1951-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	16.99	14.53	16.52	14.20	14.85	17.65	19.98	.....	26.13	26.85	27.97	28.29
10	.....	14.92	.....	12.80	15.71	18.05	20.40	.....	26.22	27.10	28.14	27.60
15	.....	15.53	.....	12.02	15.86	18.62	21.02	.....	26.2	27.30	28.27	27.22
20	.....	15.91	.....	12.54	16.13	19.15	21.72	.....	26.25	27.49	28.31	25.43
25	14.53	16.20	.....	13.30	16.45	19.52	22.38	25.28	.....	27.65	28.43	24.75
Eom	14.13	16.28	16.25	14.03	.....	19.70	23.10	25.82	26.62	27.83	28.47	24.28

1974

Dauphin County

402118076462101. Local number Da-350. William R. Miller. R.D. #1, Linglestown. Drilled unused artesian well in Martinsburg Shale, Ordovician age, diam 6 in (15 cm), depth 225 ft (69 m), cased to 19 ft (6 m). Lsd 460 ft (140 m) above msl. MP top of casing, 1.34 ft (0.41 m) above lsd (since January 1973). Highest water level 2.46 ft (0.75 m) below lsd, June 23, 1972; lowest 6.95 ft (2.12 m) below lsd, Sept. 11, 12, 1966. Records available: 1965-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	4.01	3.99	4.54	3.63	3.97	3.63	4.81	5.49	5.84	4.81	4.50	4.85
10	4.50	4.11	4.20	3.50	4.04	4.47	5.15	5.55	5.90	5.00	4.90	3.95
15	4.84	4.22	4.36	4.13	4.21	4.60	5.31	5.45	4.58	5.12	4.92	4.10
20	4.97	4.44	4.18	4.36	4.16	4.60	5.43	5.53	4.57	5.22	5.11	4.30
25	4.35	4.64	4.51	4.31	3.50	4.31	5.31	5.67	4.86	5.28	5.05	4.00
Eom	4.21	4.70	4.36	3.83	3.50	4.33	5.57	5.82	5.00	4.20	4.83	3.93

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	3.05	4.53	4.48	3.53	4.89	5.15	5.21	4.33	4.39	5.09	5.20	4.41
10	4.19	4.68	4.13	3.70	4.81	5.26	5.43	5.00	4.40	5.20	5.31	4.21
15	4.26	4.80	4.40	3.60	4.20	5.40	5.59	5.30	4.18	5.24	4.70	4.35
20	4.12	4.73	4.27	4.15	4.73	5.41	5.71	5.40	4.65	5.00	4.70	4.39
25	4.00	...	4.20	4.48	4.92	5.11	5.67	5.42	4.91	5.10	4.55	4.14
Eom	4.12	4.39	3.48	4.69	5.10	4.84	5.15	5.42	4.93	5.25	4.79	4.66

402132076472201. Local number Da-353. Walter Compton. Linglestown. Drilled observation (previously reported unused) artesian well in Martinsburg Shale, Ordovician age, diam 6 in (15 cm), depth 184 ft (56 m), cased to 21 ft (6 m). Lsd 500 ft (152 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 2.00 ft (0.61 m) above lsd, many times, 1970-74; lowest 6.73 ft (2.05 m) below lsd, Sept. 12, 13, 1966. Records available: 1965-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1973	+1.34	July 24, 1973	+0.27	Jan. 22, 1974	+2.00	July 25, 1974	-1.42
Feb. 21	.03	Aug. 22	-30	Feb. 26	1.70	Aug. 27	+.37
Mar. 23	1.30	Sept. 25	+.63	Mar. 28	1.39	Sept. 24	+.61
Apr. 24	.79	Oct. 25	-.91	Apr. 23	+1.25	Oct. 23	-.01
May 23	2.00	Nov. 27	-.36	May 29	-.15	Nov. 22	+.16
June 26	.07	Dec. 19	+1.69	June 27	.46	Dec. 19	+2.00

Delaware County

395040075341801. Local number De-3. Mrs. Hope W. Ebert. Birmingham Township. Dug unused water-table well in gneiss of Wissahickon Formation, Precambrian to early Paleozoic age (previously reported Precambrian to Ordovician age), diam 42 in (107 cm), depth 22 ft (7 m), cased with stone. Lsd 260 ft (79 m) above msl. MP top of concrete base, 1.80 ft (0.55 m) above lsd. Highest water level 7.90 ft (2.41 m) below lsd, Aug. 22, 1955; lowest dry, many times, 1964-66. Records available: 1950-74.

Jan. 1, 1973	11.93	July 9, 1973	13.31	Jan. 7, 1974	11.83	July 8, 1974	15.30
8	12.60	16	13.17	14	12.29	15	15.33
15	13.07	23	13.70	21	12.53	22	15.47
22	13.50	30	14.19	28	12.93	29	15.65
29	13.05	Aug. 6	14.57	Feb. 4	13.32	Aug. 5	15.85
Feb. 5	9.69	13	14.85	11	13.66	12	16.05
12	11.14	20	15.09	18	14.04	19	16.25
19	12.22	27	15.32	25	14.28	26	16.44
26	12.94	Sept. 3	15.57	Mar. 4	14.47	Sept. 2	16.60
Mar. 5	13.45	10	15.80	11	14.59	9	16.63
12	13.79	17	16.02	18	14.44	16	16.65
19	14.00	24	16.20	25	14.00	23	16.64
26	14.15	Oct. 1	16.39	Apr. 1	13.24	30	16.62
Apr. 2	13.53	8	16.56	8	12.44	Oct. 7	16.64
9	11.74	15	16.71	15	11.78	14	16.69
16	10.99	22	16.88	22	12.32	21	16.49
23	12.50	30	16.77	29	13.10	28	16.32
30	13.02	Nov. 5	16.80	May 6	13.72	Nov. 4	16.17
May 7	13.15	12	16.75	13	14.01	11	16.11
14	13.35	19	16.70	20	14.40	18	16.11
21	13.56	26	16.70	27	14.47	25	16.14
28	13.76	Dec. 3	16.72	June 3	14.65	Dec. 2	16.19
June 4	13.34	10	16.30	10	14.81	9	15.75
11	13.56	17	15.40	17	15.02	16	15.00
18	14.01	24	10.96	24	15.15	23	13.18
25	14.38	31	11.04	July 1	15.26	29	13.23
July 2	14.35						

Erie County

415607080044601. Local number Er-82. U.S. Geol. Survey. McLane. Drilled observation artesian well in Riceville Shale, Devonian age, diam 6 in (15 cm), depth 82 ft (25 m), cased to 56 ft (17 m). Lsd 1,419 ft (433 m) above msl. MP top of plywood cover, 3.50 ft (1.07 m) above lsd. Highest water level 10.08 ft (3.07 m) below lsd, Mar. 20, 1973; lowest 18.41 ft (5.61 m) below lsd, Sept. 20, 1966. Records available: 1966-74.

415607080044601--Continued.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	10.40	10.50	11.16	10.62	10.97	10.77	12.27	13.43	13.74	14.59	16.45	14.32
10	10.93	10.74	10.42	10.36	11.13	11.26	12.46	13.59	13.92	14.53	16.09	14.23
15	11.38	11.00	10.30	10.88	11.07	11.59	12.73	13.73	14.08	14.53	15.99	14.11
20	11.08	11.34	10.08	11.08	11.27	11.81	12.88	13.71	14.25	15.79	15.84	14.01
25	10.89	11.61	10.31	11.39	11.31	12.08	13.03	13.47	14.41	15.51	15.46	13.61
Eom	10.82	11.74	10.26	11.00	11.13	12.31	13.25	13.59	14.53	15.23	14.74	13.16

1974

5	13.34	13.02	12.38	11.93	12.92	13.57	14.07	15.10	15.84	14.66	14.18	12.35
10	13.47	13.16	12.21	12.04	12.84	13.84	14.23	15.21	15.95	14.53	13.64	12.20
15	13.60	13.38	12.43	12.16	12.14	14.04	14.46	15.36	16.05	14.50	13.25	12.17
20	13.51	13.48	12.51	12.44	12.58	14.19	14.67	15.45	15.90	14.36	13.04	12.19
25	12.77	12.92	12.64	12.59	12.92	14.34	14.84	15.63	15.58	14.29	12.10	12.19
Eom	12.78	12.89	12.60	12.75	13.24	14.41	15.02	15.76	15.35	14.30	12.13	12.22

Fayette County

394843079351401. Local number Fa-17. U.S. Geol. Survey. Fort Necessity. Drilled observation artesian well in shale and sandstone of Conemaugh Formation, Pennsylvanian age, diam 6 in (15 cm), depth 100 ft (30 m) cased to 19 ft (6 m). Lsd 1,910 ft (582 m) above msl. MP top of plywood cover, 2.05 ft (0.62 m) above lsd. Highest water level 19.71 ft (6.01 m) below lsd, Feb. 23, 1971; lowest 40.00 ft (12.19 m) below lsd, Nov. 8, 1967. Records available: 1967-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	23.07	.....	.....	23.11	23.28	23.60	23.40	24.30	23.90	23.32
10	22.95	23.10	.....	.....	23.22	23.20	23.42	23.45	23.82	23.99	23.11
15	23.10	23.18	.....	.....	23.19	23.30	23.51	23.52	23.80	23.88	22.72
20	22.78	22.89	23.20	23.18	.....	23.31	23.27	23.47	23.77	23.85	23.85	22.22
25	23.32	22.90	23.26	.....	23.26	23.41	23.42	24.12	23.95	23.98	21.60
Eom	23.10	23.11	.....	23.20	23.40	23.49	23.52	23.95	23.93	23.65	20.48

1974

5	20.42	23.11	23.07	22.80	23.30	22.97	22.86	23.38	23.37	.....	.....	.....
10	21.80	23.30	23.18	23.18	23.18	23.06	.....	23.80	23.37	.....	.....	.....
15	21.43	23.30	22.97	23.00	22.90	23.15	.....	23.20	23.23	.....	.....	.....
20	22.40	23.49	23.27	23.33	22.65	24.12	.....	23.33	23.32	.....	.....	.....
25	22.70	22.77	23.22	23.32	22.71	22.07	23.37	23.40	.....	.....	.....	.....
Eom	22.63	22.87	23.20	23.02	23.04	22.65	23.40	23.41	.....	.....	.....	.....

Franklin County

395958077393301. Local number Fr-2. U.S. Army Letterkenny Ordnance Depot. Chambersburg. Drilled unused artesian well in St. Paul Group, Ordovician age, diam 8 to 6 in (20 to 15 cm), depth 441 ft (134 m), cased to 60 ft (18 m). Lsd 654 ft (212 m) above msl. MP top of casing, 2.49 ft (0.76 m) above lsd. Highest water level 10.26 ft (3.13 m) below lsd, May 12, 1958; lowest 62.98 ft (19.20 m) below lsd, Dec. 11, 1973. Records available: 1950-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	20.39	15.55	.....	18.70	.....	.....	.....	.....	.....	.....	.....	52.00
10	22.62	16.75	.....	12.55	.....	.....	.....	.....	.....	.....	.....	62.75
15	28.00	21.50	.....	17.20	.....	.....	.....	.....	.....	.....	.....	52.10
20	33.49	25.90	.....	21.51	.....	.....	.....	.....	.....	.....	.....	50.00
25	28.70	.....	28.61	.....	.....	.....	.....	.....	.....	.....	46.95	.....
Eom	22.60	.....	33.18	.....	.....	.....	.....	.....	.....	.....	47.34	.....

1974

5	18.31	29.30	43.25	19.70	.....	39.90	.....	46.30	46.45	48.72	48.87	36.11
10	14.92	35.58	38.50	18.45	.....	45.38	.....	47.56	46.15	48.80	48.92	30.17
15	14.04	40.10	40.15	17.27	.....	45.91	.....	48.38	46.15	48.81	46.28	37.99
20	15.62	42.55	43.90	22.15	37.60	45.34	.....	48.63	47.56	47.25	47.76	27.52
25	18.43	33.70	.....	27.15	36.80	46.76	48.76	48.76	48.76	48.70	48.18	32.57
Eom	23.70	37.85	30.10	34.10	43.62	46.20	48.73	48.03	48.03	48.05	48.77	39.21

Fulton County

400302078090401. Local number Fu-93. Commonwealth of Pennsylvania. Buchanan State Forest. Drilled unused artesian well in sandstone of Pocono Group, Mississippian and Devonian age, diam 6 in (15 cm), depth 194 ft (59 m), cased to 45 ft (14 m). Lsd 1,190 ft (363 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 1.76 ft (0.54 m) above lsd, Apr. 2, 1970; lowest 4.46 ft (1.36 m) below lsd, Sept. 12, 1966. Records available: 1965-74.

400302078090401--Continued.

Lowest water level for the day, above and below lsd, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+0.84	....	....	....	+1.24	-1.38	-0.56	-1.64	-2.04	-0.36	+0.28	-0.04
10	....	....	....	....	1.15	+.70	.95	1.78	2.21	1.00	-2.7	.82
15	....	....	....	....	.68	-.02	1.06	1.78	....	1.26	.50	....
20	....	+1.51	....	....	.46	.17	1.26	1.64	.96	1.59	.78	....
25	1.04	....	....	+1.41	.36	.53	1.45	1.27	1.21	-1.64	....	....
Eom	....	....	....	1.4	+1.16	.09	1.67	1.79	.65	+.82	.02	....

1974

5	....	+0.24	0.00	+1.34	+0.05	+0.01	+0.35	-1.32	-1.50	-2.20	-2.19	-0.79
10	....	+.02	.28	1.16	-.17	.36	-.06	1.49	1.31	2.23	2.28	.25
15	....	-.35	.48	1.27	+.61	.82	.74	1.74	1.58	2.29	1.86	.09
20	....	-.57	.17	.62	.25	.48	1.23	1.54	1.79	2.16	1.82	....
25	....	+.62	.28	.58	....	.47	1.41	1.72	1.88	2.20	1.92	....
Eom	....	-.06	.58	.36	.21	.05	.97	1.80	2.08	2.28	2.06	....

Greene County

394655080014301. Local number Gr-118. U.S. Geol. Survey. State Game Lands No. 223. Drilled observation artesian well in shale and sandstone of Waynesburg Formation, Permian and Pennsylvanian age, diam 6 in (15 cm), depth 104 ft (32 m), cased to 22 ft (7 m). Lsd 1,000 ft (305 m) above msl. MP top of casing, 3.00 ft (0.91 m) above lsd. Highest water level 31.03 ft (9.46 m) below lsd, June 23, 1974; lowest 37.78 ft (11.52 m) below lsd, Sept. 15, 1973. Records available: 1973-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	33.98	....	36.62	33.99	33.49	....
10	33.98	....	37.25	33.77	33.78	....
15	33.81	34.00	....	37.78	33.98	33.85	....
20	33.54	34.72	....	....	34.36	33.38	....
25	33.75	....	34.66	....	34.57	33.56	....
Eom	33.84	....	35.98	35.27	33.49	....	....

1974

5	....	33.03	33.10	....	....	....	33.45	33.87	....	....	....	....
10	....	32.50	....	33.00	....	....	33.67	33.99	33.40	....	....	....
15	....	32.87	....	....	....	....	33.70	33.78	34.00	33.68	....	....
20	....	32.76	....	....	....	....	33.17	33.80	34.09	33.33	....	....
25	....	32.70	....	....	....	....	32.30	33.80	34.89	32.95	....	....
Eom	....	....	....	....	....	....	33.83	....	....	....	....	....

Huntingdon County

401843078075401. Local number Hu-301. U.S. Geol. Survey. Trough Creek State Park. Drilled observation artesian well in Burgoon Sandstone, Mississippian age, diam 6 in (15 cm), depth 105 ft (32 m), cased to 18 ft (5 m). Lsd 970 ft (296 m) above msl. MP top of casing, 3.30 ft (1.01 m) above lsd. Highest water level 48.82 ft (14.88 m) below lsd, June 23, 1972; lowest 55.56 ft (16.93 m) below lsd, Nov. 9, 1974. Records available: 1969-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	51.82	51.18	52.44	51.63	51.60	51.72	52.64	53.39	53.53	52.57	52.20	52.30
10	51.99	51.49	52.15	50.90	51.82	51.84	52.90	53.49	53.70	52.80	52.70	51.87
15	52.23	51.79	52.14	51.41	52.00	52.12	53.20	53.58	53.60	53.00	52.72	51.90
20	....	51.93	51.90	52.00	52.00	52.16	53.22	53.35	53.33	53.29	52.05	52.30
25	52.13	52.24	....	51.94	51.85	....	53.20	53.24	53.26	53.44	....	51.85
Eom	51.80	52.69	52.32	51.32	51.29	52.72	53.35	53.47	53.00	52.09	52.92	51.28

1974

5	51.75	52.42	53.07	51.60	52.90	53.00	52.70	53.88	54.05	54.48	55.41	54.92
10	52.26	52.68	52.70	51.98	53.09	53.00	52.95	53.93	54.02	54.50	55.54	54.32
15	51.90	52.91	52.35	51.63	52.62	53.26	53.30	54.04	54.11	55.11	55.37	54.55
20	51.72	....	52.71	52.05	52.90	53.25	53.68	54.15	54.22	55.35	55.25	53.77
25	51.49	53.02	52.65	52.35	52.90	53.05	53.80	54.22	54.16	55.35	55.31	54.24
Eom	51.82	53.00	52.17	52.52	53.04	52.75	53.80	54.17	54.30	55.53	55.45	54.44

Indiana County

403702079093001. Local number In-1. Commonwealth of Pennsylvania. Indiana University of Pennsylvania. Drilled unused artesian well in sandstone of Conemaugh Formation, Pennsylvanian age, diam 6 in (15 cm), depth 198 ft (60 m), casing information not available. Lsd 1,305 ft (398 m) above msl. MP top of casing, 5.00 ft (1.52 m) below lsd. Highest water level 72.50 ft (22.10 m) below lsd, Apr. 13, 1962; lowest 87.03 ft (26.53 m) below lsd, Oct. 19, 1946. Records available: 1944-47, 1949-74.

403702079093001--Continued.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	75.51	75.39	....	75.04	74.92	75.30	75.10	75.96	76.70	76.40	76.11	75.00
10	75.56	75.33	75.32	74.70	74.88	75.09	75.24	75.89	76.81	76.36	76.38	75.18
15	75.91	75.08	75.09	75.01	74.85	75.30	75.52	76.10	76.94	76.31	75.92	75.18
20	76.03	75.30	74.9	75.02	74.93	....	75.62	76.10	77.00	76.70	75.95	75.20
25	75.85	....	74.93	74.90	75.13	75.35	75.60	76.31	77.10	76.70	75.49	75.12
Eom	75.76	....	75.09	74.83	75.29	75.00	75.69	76.60	76.83	76.40	75.55	74.89

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	74.91	75.02	75.10	74.65	76.08	76.45	75.11	76.79	77.00	77.13	77.71	76.87
10	75.07	74.75	74.95	75.12	76.55	76.50	75.38	76.88	76.71	77.34	77.64	76.41
15	74.60	75.13	74.68	75.13	76.50	76.62	75.70	76.76	76.26	77.50	77.80	76.41
20	74.60	75.30	74.70	75.70	76.70	76.40	76.09	77.00	76.10	77.69	....	76.20
25	74.66	....	74.87	75.91	76.60	75.96	76.35	77.23	76.10	77.50	....	76.14
Eom	74.71	....	74.72	75.60	76.68	75.36	76.62	77.22	76.71	77.67	77.08	76.06

Jefferson County

410650078575801. Local number Je-23. U.S. Geol. Survey. State Game Land No. 244. Drilled observation artesian well in sandstone and shale of Allegheny Group, Pennsylvanian age, diam 6 in (15 cm), depth 101 ft (31 m), cased to 37 ft (11 m). Lsd 1,660 ft (506 m) above msl. MP top of plywood cover, 2.05 ft above lsd. Highest water level 14.17 ft (4.32 m) below lsd, Apr. 13, 1970; lowest 32.12 ft (9.79 m) below lsd, Aug. 25, 1974. Records available: 1968-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	20.89	22.21	22.77	22.23	22.87	22.82	23.34	24.72	24.92	25.26	25.04	28.83
10	21.12	22.10	22.54	21.92	22.84	22.75	23.49	24.76	25.17	24.96	a28.71	27.16
15	21.46	21.81	22.26	22.26	22.76	23.08	23.91	25.06	25.44	24.80	28.55	27.27
20	21.70	22.32	22.03	22.78	22.76	23.41	24.11	25.10	25.55	25.10	a29.00	27.46
25	22.13	22.87	21.98	22.75	22.48	23.30	24.29	24.79	25.72	25.16	28.88	29.41
Eom	22.33	22.96	22.27	22.89	22.76	....	24.41	24.89	25.63	25.10	28.84	29.32

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
5	29.50	29.61	....	....	29.38	30.49	30.78	31.76	30.92	30.70	31.00	30.65
10	29.61	29.76	....	....	29.52	30.53	30.85	31.85	30.68	30.90	30.84	30.33
15	29.68	30.19	....	....	29.37	30.83	31.06	31.95	30.74	30.88	30.84	30.41
20	29.35	30.16	29.34	....	29.76	30.89	31.26	32.06	30.82	31.06	30.54	30.32
25	29.29	29.41	29.84	30.92	31.45	32.12	30.83	30.48	30.19
Eom	29.27	29.40	30.10	30.84	31.62	31.60	30.53	31.00	30.50	30.25

a Well being pumped.

Juniata County

402411077374801. Local number Ju-351. U.S. Geol. Survey. State Game Land No. 215. Drilled observation artesian well in shale of Mahantango Formation, Devonian age, diam 6 in (15 cm), depth 112 ft (34 m), cased to 18 ft (5 m). Lsd 635 ft (194 m) above msl. MP top of plywood cover, 3.55 ft (1.08 m) above lsd. Highest water level 11.67 ft (3.56 m) below lsd, Feb. 23, 1971; lowest 15.36 ft (4.68 m) below lsd, Sept. 21, 1969. Records available: 1968-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	13.18	12.83	13.35	12.18	13.14	13.31	13.46	14.67	....	13.48	13.48	13.33
10	13.34	13.03	13.13	13.26	12.99	13.50	14.04	14.90	....	13.77	13.84	12.59
15	13.70	13.42	13.28	13.11	13.01	13.52	....	14.71	14.10	13.91	13.79	13.18
20	13.74	13.59	13.14	13.35	13.10	13.51	....	13.50	13.38	14.12	13.90	13.22
25	13.50	13.59	13.28	13.25	12.80	13.20	....	13.99	13.82	14.32	....	13.06
Eom	13.22	13.65	13.38	12.76	12.88	13.31	14.77	....	13.46	....	13.28	12.84

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	13.24	13.50	13.25	12.62	....	13.56	13.35	14.88	15.10	15.29	15.16	13.85
10	13.39	13.68	12.92	12.95	....	13.90	13.66	14.94	15.07	15.24	15.23	13.55
15	13.31	13.63	13.17	12.66	....	14.12	....	15.16	15.13	15.28	15.03	13.94
20	12.96	13.70	13.42	13.22	....	13.38	....	15.20	15.21	15.12	14.80	13.35
25	12.90	13.22	13.29	13.38	....	13.20	14.79	15.22	15.15	15.12	14.92	13.77
Eom	13.15	13.13	12.40	....	13.60	13.09	14.90	15.22	15.24	15.24	14.96	13.91

Lackawanna County

411310075375501. Local number Lk-4. Commonwealth of Pennsylvania. Lackawanna State Forest. Dug unused water-table well in shale and sandstone of Catskill Formation, Mississippian and Devonian age, diam 36 in (91 cm), depth 10 ft (3 m), casing information not available. Lsd 1,190 ft (363 m) above msl. MP wooden cover, 0.40 ft (0.12 m) above lsd. Highest water level 1.40 ft (0.43 m) below lsd, June 29, 1973; lowest dry, October and November 1964. Records available: 1953-74.

PENNSYLVANIA, LAWRENCE COUNTY

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#11310075375501--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1973	3.55	July 11, 1973	3.50	Feb. 15, 1974	3.80	July 26, 1974	4.29
19	4.09	27	3.63	Mar. 1	3.38	Aug. 6	3.77
26	3.47	Aug. 10	3.87	8	3.40	16	4.40
Feb. 9	3.55	17	3.73	15	3.53	23	4.12
20	3.93	31	4.48	22	2.71	30	3.48
Mar. 9	3.10	Sept. 7	5.31	Apr. 1	3.57	Sept. 13	3.52
15	3.30	21	3.95	5	1.75	20	3.55
23	3.57	28	3.85	17	3.46	27	4.58
30	3.57	Oct. 5	3.82	30	3.66	Oct. 4	3.47
Apr. 20	3.78	12	5.00	May 3	3.38	11	3.62
30	3.45	19	4.02	10	3.42	18	3.47
May 4	3.50	Nov. 2	3.55	16	3.37	25	3.62
18	2.69	16	3.53	24	3.61	Nov. 1	3.70
25	3.20	23	3.84	June 3	3.61	8	3.73
June 1	3.50	30	3.34	7	3.63	15	3.48
8	3.30	Jan. 2, 1974	3.65	20	3.70	22	3.42
15	3.82	11	3.68	30	3.63	Dec. 6	3.56
22	3.57	18	3.65	July 12	4.10	11	3.39
29	1.40	25	3.33	18	4.43	18	3.35
July 6	4.55	Feb. 4	3.65				

Lancaster County

#00505076235402. Local number Ln-514. Benjamin Landis. Near Landisville. Drilled unused artesian well in shale and limestone of Kinzers Formation, Cambrian age, diam 6 in (15 cm), depth 260 ft (79 m), casing not available. Lsd 380 ft (116 m) above msrl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 21.75 ft (6.63 m) below lsd, Apr. 4, 1970; lowest 34.68 ft (10.57 m) below lsd, Dec. 1, 1969. Records available: 1964-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	25.94	26.18	31.74	25.20	28.10	30.76	31.09	32.90	33.12	33.17	33.04	33.20
10	27.04	26.88	32.00	24.80	29.22	31.41	32.22	32.91	33.15	33.20	33.18	33.13
15	28.73	27.83	32.30	25.06	30.44	32.08	31.07	32.98	32.70	33.20	33.21	33.02
20	30.20	29.03	32.50	25.93	31.28	32.44	31.96	33.01	32.99	33.23	33.20	33.18
25	31.02	30.21	32.72	27.43	31.87	32.65	32.50	33.12	33.10	33.24	33.21	28.88
Eom	27.11	30.91	32.39	27.11	30.23	31.62	32.78	33.13	33.13	32.81	33.22	25.92

1974												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	26.56	28.93	32.88	30.58	30.29	32.92	33.00	33.13	32.59	33.20	33.30	33.24
10	27.90	30.35	32.86	28.02	31.40	32.96	33.01	33.18	32.46	33.30	33.30	32.23
15	28.20	31.50	32.99	26.00	31.90	32.94	33.07	33.22	32.87	33.33	33.30	32.87
20	29.28	32.83	32.98	25.59	32.45	33.00	33.96	33.21	33.00	33.23	33.30	30.20
25	26.38	32.62	32.97	27.07	....	32.90	33.14	32.75	33.15	33.24	33.31	31.37
Eom	27.33	32.78	32.40	28.71	32.82	32.89	33.14	32.72	33.16	33.29	33.34	32.48

Lawrence County

#10538080280801. Local number La-1201. U.S. Geol. Survey. State Game Land No. 150. Near Pulaski. Drilled observation artesian well in shale and sandstone of lower part of Conchoquenessing Formation, Pennsylvanian age, diam 6 in (15 cm), depth 150 ft (46 m), cased to 30 ft (9 m). Lsd 1,140 ft (347 m) above msrl. MP top of plywood cover, 3.45 ft (1.05 m) above lsd. Highest water level 12.70 ft (3.87 m) below lsd, Mar. 12, 1974; lowest 19.95 ft (6.08 m) below lsd, Nov. 16, 1967. Records available: 1967-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	14.82	14.43	14.67	14.41	15.10	15.30	16.70	17.32	16.50	.....	14.98	14.81
10	15.28	14.77	14.53	14.40	15.36	15.64	16.92	17.41	16.70	.....	15.44	15.25
15	15.97	15.13	14.70	14.90	15.03	16.02	17.11	17.48	17.02	.....	15.69	14.83
20	16.18	15.25	13.90	14.78	15.23	15.90	17.23	17.26	.....	16.50	15.77	15.00
25	15.98	15.40	14.05	15.14	15.07	16.17	17.25	15.85	.....	16.70	15.70	14.45
Eom	15.30	15.30	14.53	14.60	15.20	16.48	17.20	16.20	.....	14.70	14.48	14.53

1974												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	15.03	15.10	13.61	.....	16.34	16.80	16.04	17.93	16.10	16.48	16.25	15.40
10	15.48	15.40	13.47	.....	16.53	17.09	16.52	17.89	16.38	16.74	15.95	14.74
15	15.20	15.60	13.39	.....	14.50	17.30	16.92	17.97	16.57	16.90	15.82	14.83
20	13.80	15.22	.....	.....	15.73	17.50	17.28	18.05	16.72	16.76	15.28	15.18
25	13.38	14.50	.....	16.22	16.21	17.58	17.54	18.25	15.98	16.90	15.61	15.03
Eom	14.40	14.50	.....	16.54	16.46	16.70	17.78	16.71	16.14	17.20	15.45	15.29

Lebanon County

402023076260901. Local number Lb-377. Levitz Frozen Foods. Lebanon. Drilled unused artesian well in dolomite of Ontelaunee Formation, Ordovician age, diam 8 in (20 cm), depth 204 ft (62 m), cased to 30 ft (9 m). Lsd 460 ft (140 m) above msl. MP top of casing, 410 ft (125 m) above lsd. Highest water level 4.79 ft (1.46 m) below lsd, Feb. 25, 1965; lowest 11.85 ft (3.61 m) below lsd, Nov. 23, 1966. Records available: 1962-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1973	7.50	July 24, 1973	8.31	Jan. 22, 1974	6.50	July 25, 1974	9.70
Feb. 23	7.43	Aug. 24	9.00	Feb. 26	8.13	Aug. 27	9.56
Mar. 22	8.80	Sept. 25	8.80	Mar. 28	8.31	Sept. 24	9.58
Apr. 24	7.18	Oct. 25	10.63	Apr. 22	7.09	Oct. 23	9.60
May 23	7.23	Nov. 27	10.88	May 29	8.18	Nov. 21	10.47
June 26	7.95	Dec. 20	9.26	June 27	8.48	Dec. 19	7.37

Lehigh County

403429075392401. Local number Le-644. Charles J. Haaf. Haafsville. Drilled unused artesian well in Beekmantown Formation, Ordovician age, diam 10 in (25 cm), depth 184 ft (56 m), cased to 63 ft (19 m). Lsd 470 ft (143 m) above msl. MP top of plywood cover, 1.45 ft (0.44 m) above lsd. Highest water level 36.65 ft (11.17 m) below lsd, June 27, 1972; lowest 93.42 ft (28.47 m) below lsd, Feb. 6, 1971. Records available: 1971-74.

Lowest water level for the day, from recorder graph, 1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	93.32	71.51	.....	67.22	.....	64.43	63.50	60.01	58.46	56.77	50.54
10	.....	92.48	68.78	.....	67.92	.....	65.05	61.92	60.30	58.77	55.42	49.93
15	90.15	85.30	67.47	.....	67.06	.....	65.76	62.02	59.21	58.43	55.60	49.72
20	90.78	82.25	.....	.....	66.59	.....	66.20	62.31	58.08	58.80	55.65	.....
25	91.76	75.05	63.97	.....	66.50	.....	66.70	62.85	57.88	58.90	56.15	.....
Eom	92.56	72.84	.....	66.53	63.60	63.82	67.05	60.28	58.03	59.42	54.20	50.82

1972

5	.....	48.70	44.61	47.50	49.78	.....	41.75	45.95	50.18	52.48	.....	.....
10	51.25	46.35	44.61	47.50	49.70	.....	43.12	43.12	55.88	59.66	49.65	.....
15	51.10	46.31	45.42	48.23	50.00	.....	44.03	44.03	56.52	58.20	46.90	.....
20	50.99	46.22	46.08	48.40	50.54	.....	44.95	44.95	57.70	56.10	45.79	.....
25	51.15	60.05	44.12	46.45	49.54	50.89	.....	46.20	46.20	54.92	43.95	.....
Eom	.....	50.92	.....	.....	49.80	.....	41.86	41.86	53.71	59.38	53.21	43.40

1973

5	41.80	39.91	42.76	41.70	41.88	44.00	43.61	48.21	54.70	58.74	63.18	66.50
10	41.41	39.30	43.23	40.00	42.66	44.22	43.87	49.51	55.50	59.73	63.85	66.50
15	41.81	39.32	43.93	39.52	43.44	44.81	44.78	50.63	56.40	60.48	64.53	64.71
20	42.56	39.99	44.27	39.94	44.03	45.71	45.71	51.40	56.12	61.12	65.31	64.90
25	43.11	40.98	44.64	40.11	45.25	46.42	46.40	52.36	56.94	62.28	65.52	.....
Eom	42.74	41.85	45.14	41.15	44.19	45.47	47.50	53.83	57.71	62.60	66.42	.....

1974

5	41.80	50.16	52.42	45.90	45.00	49.45	53.80	59.29	.....	62.52	63.80	66.81
10	54.28	50.18	52.28	43.30	46.21	50.38	54.60	60.12	.....	62.87	64.29	65.08
15	53.66	50.88	51.94	42.65	46.24	51.30	55.68	60.99	.....	63.19	64.68	63.96
20	53.04	51.33	51.28	43.09	46.68	51.90	57.02	61.16	62.32	62.97	65.25	63.48
25	52.83	51.63	50.18	43.60	48.52	52.68	57.85	61.70	62.69	63.11	65.88	60.98
Eom	50.62	.....	49.24	.....	48.52	.....	59.08	62.60	.....	63.60	.....	61.39

403226075343001. Local number Le-860. Paul Knepper. Lower Macungie Township. Drilled observation artesian well in Allentown Dolomite, Cambrian age, diam 6 in (15 cm), depth 100 ft (30 m), cased to 58 ft (18 m). Lsd 358 ft (109 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 1.28 ft (0.39 m) below lsd, June 27, 1972; lowest 10.46 ft (3.19 m) below lsd, July 23, 1969. Records available: 1967-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	2.66	2.07	3.32	2.38	3.35	.....	2.20	3.75	.....	4.80	5.40	5.82
10	2.90	2.42	3.42	2.40	3.57	.....	2.78	3.91	.....	4.92	5.51	4.90
15	3.13	2.57	3.51	2.63	3.71	.....	3.11	4.05	.....	5.02	5.59	4.95
20	3.26	2.90	3.60	2.90	3.80	.....	3.34	4.11	.....	5.18	5.76	5.10
25	3.30	3.12	3.66	3.65	3.66	.....	3.50	4.11	.....	4.53	5.29	3.42
Eom	3.08	3.23	3.70	3.16	3.05	3.78	4.68	4.68	5.17	5.76	3.26	.....

1974

5	3.45	3.43	4.09	2.21	3.40	3.95	4.26	4.85	4.55	5.09	5.49	5.91
10	3.65	3.56	3.93	2.25	3.51	4.06	4.45	5.01	4.65	5.21	5.60	4.72
15	3.74	3.71	4.02	2.49	3.41	4.19	4.60	5.19	4.68	5.30	5.60	4.96
20	3.88	3.79	3.87	2.81	3.62	4.20	4.74	5.12	4.89	5.25	5.68	4.40
25	3.30	3.87	3.76	3.04	3.04	4.20	4.85	5.27	5.01	5.33	5.79	4.57
Eom	3.20	3.96	3.30	3.23	3.83	4.26	4.97	5.33	4.85	5.45	5.88	4.75

Luzerne County

411800076162501. Local number Lu-243. Commonwealth of Pennsylvania. Ricketts Glen State Park. Fairmount Township. Drilled unused water-table well in sandstone of Catskill Formation, Mississippian and Devonian age, diam 6 in (15 cm), depth 160 ft (49 m), cased to 40 ft (12 m). Lsd 1,280 ft (390 m) above msrl. MP top of casing, 1.30 ft (0.40 m) above lsd. Highest water level 36.08 ft (11.00 m) below lsd, Mar. 31, 1950; lowest 58.70 ft (17.89 m) below lsd, Oct. 5, 1957. Records available: 1948-50, 1955-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	50.48	50.12	52.87	50.12	52.12	51.14	51.73	53.91	54.74	53.58	53.49	51.98
10	51.04	50.64	52.26	49.74	52.12	51.84	53.80	54.80	53.24	53.26	50.53	
15	51.86	51.20	51.72	50.64	51.14	52.58	51.96	53.97	54.64	53.51	53.34	50.42
20	52.33	51.91	50.32	51.35	51.60	53.31	52.44	54.11	53.45	53.77	53.49	51.00
25	....	52.62	50.94	52.25	51.27	....	52.92	54.38	53.18	54.08	....	49.69
Eom	51.35	52.88	51.35	52.08	50.93	52.14	53.44	54.70	53.63	53.72	52.57	49.31

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	50.40	50.50	51.35	49.92	52.91	52.91	52.40	54.29	52.16	52.39	53.72	52.73
10	51.16	51.17	50.73	50.10	52.86	53.45	52.55	54.74	52.29	52.75	53.86	51.40
15	51.75	52.00	50.37	50.62	51.10	53.82	53.20	54.78	52.32	53.10	53.49	50.81
20	52.21	52.56	51.10	51.42	51.45	52.84	53.93	55.39	51.82	53.28	52.95	50.54
25	51.02	51.38	50.98	51.82	52.27	52.64	53.84	55.39	51.30	53.28	52.67	51.07
Eom	49.81	51.13	51.16	52.57	52.86	53.14	54.13	54.06	51.68	53.60	....	51.62

411757075505801. Local number Lu-309. U.S. Geol. Survey. Pittston. Drilled observation artesian well in sand and gravel of glacial outwash, Pleistocene age (previously reported Quaternary age), diam 6 in (15 cm), depth 40 ft (12 m), cased to 35 ft (11 m). Lsd 540 ft (165 m) above msrl. MP top of casing, 2.60 ft (0.79 m) above lsd. Highest water level 6.64 ft (2.02 m) below lsd, June 30, 1972; lowest 21.44 ft (6.53 m) below lsd, Oct. 26, 1969. Records available: 1967-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	11.88	13.70	....	13.80	15.96	15.63	16.20	18.89	20.14	20.08	20.26	19.38
10	13.72	14.00	....	11.47	16.36	16.15	19.79	19.19	20.20	20.26	20.20	18.34
15	13.30	15.42	....	12.62	15.92	16.83	17.69	19.51	20.30	20.42	20.40	16.41
20	14.10	15.52	....	14.21	15.77	17.30	19.56	20.00	20.60	20.43	16.66	
25	....	17.07	13.56	15.30	14.33	17.54	18.60	19.57	19.87	20.71	....	13.80
Eom	15.40	....	15.03	15.73	14.92	....	18.82	19.90	19.76	20.82	19.92	11.00

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	13.11	13.88	15.33	12.80	15.71	17.20	18.19	19.58	19.70	18.85	19.93	17.49
10	14.95	15.10	13.92	11.29	16.32	17.82	17.97	19.76	18.90	19.05	19.65	17.00
15	16.18	15.91	14.27	11.08	15.80	18.31	18.51	20.05	19.11	19.38	19.15	14.85
20	16.71	16.68	15.02	11.95	15.33	18.5	19.02	20.33	19.30	19.47	18.10	15.22
25	15.40	15.30	14.82	13.51	16.10	18.69	19.40	20.55	19.18	19.57	17.45	16.10
Eom	12.77	14.83	15.32	14.98	16.77	18.78	19.62	20.60	18.90	19.77	17.19	16.65

Lycoming County

412428076594201. Local number Ly-112. U.S. Geol. Survey. State Game Land No. 133, near Trout Run. Drilled observation artesian well in shale of Susquehanna Group, Mississippian and Devonian age, diam 6 in (15 cm), depth 200 ft (61 m), cased to 19 ft (6 m). Lsd 1,380 ft (421 m) above msrl. MP top plywood cover, 3.07 ft (0.94 m) above lsd. Highest water level 76.10 ft (23.20 m) below lsd, June 23, 1972; lowest 93.45 ft (28.48 m) below lsd, Mar. 20, 1969. Records available: 1967-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	86.40	86.62	89.72	85.90	87.90	87.5	85.39	88.45	89.11	88.48	86.70	86.85
10	87.83	87.88	87.48	85.90	88.50	85.92	87.10	89.07	87.20	88.6	88.10	85.14
15	88.56	88.50	87.15	87.04	86.67	87.73	88.46	89.28	87.50	88.9	88.51	86.28
20	89.30	89.53	85.00	88.25	86.70	88.80	89.23	85.72	85.52	89.50	89.45	87.56
25	....	90.23	86.97	88.90	86.05	....	88.69	87.14	86.95	89.90	89.50	85.65
Eom	89.15	90.42	87.49	88.20	85.8	88.49	87.98	88.62	87.80	88.12	86.40	85.17

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	86.90	86.85	....	....	88.80	88.88	87.74	....	88.08	88.80	91.09	88.53
10	87.90	87.87	....	....	89.00	89.18	88.45	....	88.22	89.25	91.11	86.09
15	88.53	88.82	....	....	85.12	89.72	89.05	....	88.80	89.68	90.06	86.71
20	87.18	89.30	....	....	86.91	88.95	89.65	....	89.20	90.08	89.31	85.35
25	84.99	....	....	....	88.00	87.99	89.52	89.97	....	87.22	90.31	87.96
Eom	84.99	....	....	....	88.47	88.91	89.85	....	91.76	88.10	90.88	87.95

Mercer County

412350080223701. Local number Mr-1364. Borough of Greenville. Drilled unused artesian well in sandstone of Cussewago Sandstone, Mississippian age, diam 6 in (15 cm), depth 235 ft (72 m), cased to 41 ft (13 m). Lsd 965 ft (294 m) above msl. MP top of plywood cover, 2.10 ft (0.64 m) above lsd. Highest water level 1.43 ft (0.44 m) below lsd, Dec. 25, 1968; lowest 7.72 ft (2.35 m) below lsd, Sept. 25, 1966. Records available: 1965-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	3.01	3.19	3.10	2.70	....	3.16	3.65	4.60	4.57	4.28	....	3.56
10	4.16	3.93	3.73	2.94	....	3.11	3.99	....	4.48	4.43	4.20	3.72
15	3.54	3.15	2.49	3.20	....	3.60	3.85	....	4.42	4.29	4.10	3.64
20	3.77	3.15	....	3.50	....	4.08	4.05	....	4.30	....	4.11	3.61
25	3.35	3.50	2.93	3.53	3.3	3.76	3.89	4.36	4.48	....	3.78	3.73
Eom	3.67	3.45	4.13	....	3.27	3.62	4.10	4.50	4.42	....	3.67	....
1974												
5	....	3.33	2.88	2.59	3.47	4.04	3.57	4.08	3.62	3.99	3.68	3.33
10	....	3.48	2.72	2.90	3.71	3.62	3.72	4.15	3.74	3.74	3.93	3.04
15	....	3.50	2.91	2.99	3.15	4.03	3.75	4.23	4.04	3.61	3.65	3.34
20	2.63	3.23	3.00	3.20	3.71	3.77	3.92	4.31	....	3.96	3.32	3.40
25	2.63	3.33	3.20	3.50	3.59	3.77	4.03	4.36	3.76	3.95	3.15	3.28
Eom	3.00	....	2.58	....	3.63	....	4.02	3.86	....	3.90	....	3.51

Mifflin County

404210077331001. Local number Mf-1. Charles C. Naginay. Village of Naginay. Dug unused water-table well in limestone of Ordovician age, diam 36 in (91 cm), depth 28 ft (9 m), cased with stone. Lsd 680 ft (207 m) above msrl. MF top of wooden cover, at lsd. Highest water level 5.88 ft (1.79 m) below lsd, Dec. 4, 1950; lowest 24.94 ft (7.60 m) below lsd, Sept. 10, 1973. Records available: 1941-42, 1946-74.

Date	Water level						
Jan. 3, 1973	16.99	July 9, 1973	17.99	Jan. 7, 1974	18.96	July 8, 1974	19.99
15	16.98	16	19.93	14	20.00	15	19.95
22	19.91	23	19.94	23	15.95	22	20.97
29	17.93	30	21.97	25	16.92	29	21.92
Feb. 5	13.95	Aug. 6	23.93	Feb. 5	17.91	Aug. 5	21.91
14	18.00	13	22.95	11	18.92	12	22.99
19	18.98	20	23.00	18	20.97	20	24.00
26	19.99	27	23.98	26	19.95	26	24.92
Mar. 5	18.98	Sept. 3	24.92	Mar. 6	19.93	Sept. 4	19.98
12	17.98	10	24.94	12	16.92	9	23.93
19	14.97	17	21.91	18	18.91	24	22.96
26	16.99	24	19.98	25	18.99	30	23.95
Apr. 2	16.99	Oct. 1	20.97	Apr. 2	14.92	Oct. 7	24.91
9	14.96	8	21.93	8	14.99	14	24.91
16	16.92	15	23.00	17	17.99	21	23.94
23	17.92	22	24.00	22	18.94	28	24.91
30	16.91	29	23.96	29	19.00	Nov. 4	24.93
May 7	16.99	Nov. 6	20.96	May 13	17.92	12	24.91
14	15.96	13	21.00	20	17.96	19	21.99
19	16.92	19	20.99	28	18.99	25	21.94
28	14.98	26	19.96	June 3	18.97	Dec. 3	18.92
June 4	15.99	Dec. 10	14.97	11	19.98	10	17.96
11	16.97	19	18.97	17	18.94	16	17.95
18	17.95	26	14.00	24	19.91	23	17.97
25	17.94	31	14.98	July 1	19.95	30	19.91
July 2	17.96						

Monroe County

411230075240001. Local number Mo-190. U.S. Geol. Survey. Tobyhanna State Park. Drilled observation artesian well in sandstone of Catskillian Formation, Mississippian and Devonian age, dian 6 in (15 cm), depth 98 ft (30 m), cased to 59 ft (18 m). Lsd 1,960 ft (597 m) above msl. MP top of plywood cover, 2.57 ft (0.78 m) above lsd. Highest water level 7.13 ft (2.17 m) below lsd, Apr. 10, 1970; lowest 15.15 ft (4.62 m) below lsd, Oct. 14, 1970. Records available: 1967-74.

Lowest water level for the day, from recorder graph, 1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	8.77	8.40	10.28	7.76	9.20	8.10	....	9.36	11.52	11.45	10.61	10.68
10	9.70	9.00	9.32	7.70	9.18	8.55	....	10.00	11.80	11.63	10.77	8.73
15	10.26	9.55	9.07	8.47	8.26	9.58	....	10.23	11.73	11.83	10.88	8.30
20	10.30	10.11	8.51	9.10	7.91	10.23	....	9.96	11.60	12.01	11.19	8.96
25	9.47	10.54	8.86	9.16	8.24	10.30	10.18	10.43	11.30	12.23	12.00	8.13
Eon	9.49	10.75	9.12	8.70	8.52	....	10.86	11.10	11.43	11.20	10.75	8.11

411230075240001--Continued.

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	8.88	9.07	9.35	7.73	9.63	10.51	11.61	12.95	11.42	10.16	11.43	10.85
10	9.48	9.66	8.76	8.17	9.72	10.95	12.05	13.13	10.77	10.57	11.70	8.90
15	9.72	10.21	9.10	8.12	8.40	11.40	12.42	13.45	10.68	10.90	10.90	8.98
20	10.03	10.36	8.79	8.60	9.17	11.58	12.70	13.50	10.97	10.83	10.65	9.10
25	8.95	9.25	8.73	9.12	9.75	11.60	12.88	13.62	10.82	10.99	10.43	9.42
Eom	8.10	9.34	9.20	9.57	10.39	11.60	12.89	12.80	10.22	11.29	10.68	9.84

Montgomery County

401452075393601. Local number Mg-2. Commonwealth of Pennsylvania. Pottsgrove Manor. King and High Sts., Pottstown. Dug unused water-table well in Brunswick Shale, Triassic age, diam 4 ft (1 m), depth 30 ft (9 m), casing information not available. Lsd 158 ft (48 m) above msl. MP top of wooden cover, 0.70 ft (0.21 m) above lsd. Highest water level 19.75 ft (6.02 m) below lsd, Mar. 22, 1967; lowest 27.34 ft (8.33 m) below lsd, Aug. 25, 1950. Records available: 1948-51, 1953-74.

Date	Water level						
Jan. 25, 1973	23.97	July 24, 1973	24.98	Jan. 22, 1974	22.53	Aug. 27, 1974	25.54
Feb. 23	24.15	Aug. 24	24.99	Feb. 25	24.32	Sept. 24	25.20
Mar. 23	23.92	Sept. 25	24.42	Mar. 28	23.80	Oct. 23	24.80
Apr. 24	24.33	Oct. 25	25.58	Apr. 22	23.90	Nov. 21	25.45
May 23	24.55	Nov. 27	25.58	May 29	25.11	Dec. 19	22.76
June 26	24.15	Dec. 20	24.31	June 27	25.00		

400123075184501. Local number Mg-133. Bryn Mawr College. Lower Merion Township. Montgomery and Norris Sts., NE, Bryn Mawr. Drilled unused artesian well in schist of Wissahickon Formation, Precambrian to early Paleozoic age, diam 10 in (25 cm), depth 254 ft (77 m), casing information not available. Lsd 380 ft (116 m) above msl. MP top of casing, at lsd. Highest water level 13.27 ft (4.04 m) below lsd, Oct. 26, 1972; lowest 24.50 ft (7.47 m) below lsd, Dec. 13, 1954. Records available: 1954-74.

Date	Water level						
Jan. 24, 1973	15.84	July 23, 1973	16.25	Jan. 21, 1974	15.55	July 24, 1974	17.04
Feb. 22	16.63	Aug. 23	15.78	Feb. 25	15.90	Aug. 26	16.80
Mar. 22	15.64	Sept. 24	16.66	Mar. 27	15.90	Sept. 23	16.99
Apr. 23	14.99	Oct. 24	17.23	Apr. 22	14.83	Oct. 21	17.34
May 22	15.34	Nov. 26	17.70	May 28	15.67	Nov. 20	17.65
June 25	16.06	Dec. 19	17.47	June 26	16.43	Dec. 18	15.95

400808075210401. Local number Mg-225. Norristown State Hospital. Steiger St., Norristown. Drilled unused artesian well in sandstone of Stockton Formation, Triassic age, diam 12 in (30 cm), depth 300 ft (91 m), casing information not available. Lsd 165 ft (50 m) above msl. MP top of casing, 0.75 ft (0.23 m) above lsd. Highest water level 14.40 ft (4.39 m) below lsd, Feb. 5, 1973; lowest 60.25 ft (18.36 m) below lsd, Nov. 5, 6, 1963. Records available: 1956-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	16.93	14.40	18.95	16.93	17.50	18.90	18.80	17.59	24.09	.....	27.73	30.00
10	17.59	15.10	19.47	15.47	17.98	19.40	18.88	17.40	24.44	.....	28.30	28.30
15	18.48	15.81	19.95	15.53	18.58	20.13	19.41	23.55	24.72	.....	28.50	26.48
20	19.33	16.78	20.17	16.40	19.24	20.92	20.00	23.35	24.84	.....	29.17	25.78
25	19.50	17.70	20.50	17.13	19.60	20.60	20.20	24.43	27.18	.....	29.50	17.92
Eom	16.20	18.21	20.10	16.93	18.52	19.42	20.80	25.92	.....	27.33	29.81	15.94

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	15.70	17.86	20.75	16.15	18.27	20.46	22.42	.....	38.86	.....	26.27	28.87
10	16.13	18.44	20.98	15.38	18.89	21.10	22.77	.....	38.27	27.48	26.73	26.96
15	15.60	19.34	21.08	14.84	18.19	21.95	23.38	.....	.....	27.37	27.20	26.78
20	16.15	20.00	20.75	15.68	18.80	22.27	24.13	.....	.....	25.00	27.55	24.25
25	16.44	20.39	19.66	16.48	....	21.84	24.70	.....	34.47	25.62	28.20	24.29
Eom	17.10	20.60	18.20	17.24	20.01	22.10	24.16	38.65	.....	26.00	28.83	24.07

401310075181701. Local number Mg-884. Merck, Sharp, & Dohme, Inc. Upper Gwynedd Township, West Point. Drilled unused artesian well in Brunswick Shale, Triassic age, diam 10 to 12 in (25 to 30 cm), depth 600 ft (183 m), casing information not available. Lsd 351 ft (107 m) above msl. MP top of casing, 1.30 ft (0.40 m) above lsd. Highest water level 38.40 ft (11.70 m) below lsd, June 30, 1972; lowest 93.17 ft (28.40 m) below lsd, Oct. 20, 22, 1966. Records available: 1966-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	64.42	65.05	57.98	64.35	64.63	65.63	66.12	65.90	68.93	71.74	73.08	74.44
10	64.69	63.10	60.59	64.06	64.72	65.75	65.78	65.60	69.60	71.72	73.34	74.30
15	65.50	60.19	62.27	64.37	64.95	66.00	65.80	66.18	70.38	71.84	73.40	73.87
20	66.25	58.20	63.32	64.60	65.22	66.29	65.93	66.70	70.6	72.19	73.86	73.40
25	66.15	56.92	64.42	....	65.60	66.73	66.10	67.35	71.11	72.45	74.16	72.90
Eom	66.18	55.82	64.42	....	65.65	66.48	66.40	68.06	71.60	72.90	74.38	71.73

401310075181701--Continued.

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	71.17	67.96	67.70	64.98	53.39	61.52	64.92	67.20	69.93	69.52	68.77	70.33
10	70.63	67.95	67.60	63.02	52.36	62.41	65.27	67.94	....	69.41	69.11	70.21
15	70.05	68.05	67.25	60.76	51.45	63.33	65.87	68.76	....	68.94	69.59	70.17
20	69.70	68.23	66.94	58.30	....	63.90	66.49	69.60	....	68.13	69.52	69.78
25	69.13	68.00	66.78	55.90	....	64.38	67.03	70.32	69.31	68.33	69.96	69.17
Eom	68.4	67.90	66.10	54.23	60.15	64.60	69.50	70.50	69.50	68.55	70.31	68.07

Northampton County

403618075203801. Local number Np-85. City of Bethlehem. Drilled observation artesian well in Tomstown Dolomite, Cambrian age, diam 12 in (30 cm), depth 344 ft (105 m), cased to 73 ft (22 m). Lsd 230 ft (70 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 0.00 ft (0.00 m) June 23, 1972; lowest 3.99 ft (1.22 m) below lsd, July 17, 1969. Records available: 1969-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	2.45	2.22	3.11	2.10	2.96	3.02	2.72	3.31	3.43	3.50	3.49	3.51
10	2.92	2.50	3.13	2.20	2.96	3.23	3.15	3.43	3.51	3.50	3.54	2.82
15	3.12	2.45	3.19	2.52	3.14	3.24	3.21	3.41	2.83	3.52	3.52	3.09
20	3.10	2.98	3.15	2.82	3.08	3.23	3.38	3.39	3.28	3.60	3.58	3.38
25	3.10	3.12	3.55	2.92	3.09	3.20	3.32	3.43	3.40	3.60	3.50	2.70
Eom	2.69	3.21	3.22	2.82	2.68	1.97	3.40	3.51	3.45	3.39	3.42	2.90

1974												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	3.01	3.16	3.33	1.94	3.13	3.37	3.26	3.25	....	....	3.41	3.49
10	3.22	3.24	3.00	1.82	3.00	3.40	3.37	3.25	....	3.40	3.50	....
15	3.25	3.30	3.28	2.20	2.80	3.31	3.41	3.45	....	3.44	3.41	3.07
20	3.12	3.20	3.20	2.47	3.13	3.25	3.46	2.96	....	3.28	3.49	3.08
25	2.73	3.20	3.02	2.85	....	3.12	3.42	....	....	3.40	3.52	3.29
Eom	2.91	3.28	1.85	3.08	3.30	3.25	3.48	....	....	3.45	3.58	3.41

Perry County

402339077074501. Local number Pe-511. U.S. Geol. Survey. State Game Land No. 256. Drilled observation artesian well in shale of Mahantango Formation, Devonian age, diam 6 in (15 cm), depth 138 ft (42 m), cased to 17 ft (5 m). Lsd 590 ft (180 m) above msl. MP top of plywood cover, 3.05 ft (0.93 m) above lsd. Highest water level 1.42 ft (0.43 m) above lsd, Apr. 5, 1974; lowest 3.00 ft (0.91 m) below lsd, Oct. 27, 1974. Records available: 1968-74.

Lowest water level for the day, above and below lsd, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+0.78	+0.88	-0.5	+0.92	-0.30	+0.13	+0.12	-0.81	-1.59	-0.24	-1.08	-0.72
10	.50	.41	.19	1.10	.42	-.24	-.25	1.03	1.55	.53	1.03	.04
15	.14	.03	.12	.53	.41	1.01	.56	.76	-.10	.72	.85	.07
20	-.04	.02	.36	.11	.11	-.14	.72	.69	.02	.82	1.17	-.12
25	.12	.09	-.44	.15	.20	.43	.85	1.16	-.32	1.03	....	+.58
Eom	.60	.11	-.2	.65	.79	-.28	1.04	1.52	.48	.58	.98	+.80

1974												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+0.46	+0.06	+0.28	+1.42	-1.89	-1.69	-1.09	-1.58	-1.45	-1.90	-2.04	-1.16
10	.26	.02	.27	1.11	1.79	1.6	1.25	1.48	1.34	2.08	2.40	.75
15	.19	-.14	.48	.90	1.17	1.8	1.62	1.80	1.60	2.14	1.77	1.06
20	.34	-.20	.26	.56	1.50	1.53	1.64	2.00	1.60	2.12	1.69	.46
25	.74	+.39	.40	.23	1.57	1.22	1.40	1.78	1.61	2.02	1.95	.81
Eom	.48	.43	.70	+.11	1.61	.99	1.42	1.93	1.80	2.19	1.81	1.21

Philadelphia County

395342075102101. Local number Ph-12. U.S. Naval Base. Barracks and East Fourth St., Philadelphia. Drilled observation artesian well in sand of Raritan Formation (middle aquifer), Cretaceous age, diam 8 in (20 cm), depth 110 ft (34 m), cased to 94 ft (29 m), screened 94-104 ft (29-32 m). Lsd 10.00 ft (3.05 m) above msl. MP top of casing, 1.80 ft (0.55 m) above lsd. Highest water level 16.55 ft (5.04 m) below lsd, Nov. 8, 1972; lowest 39.60 ft (12.07 m) below lsd, July 20, 1955. Records available: 1944-74. Mean daily fluctuation caused by tidal loading, 0.20 ft (0.06 m).

PENNSYLVANIA, SCHUYLKILL COUNTY

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395342075102101--Continued.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	17.17	18.00	17.86	17.35	17.64	17.82	17.61	18.55	18.63	18.50	19.23	19.04
10	17.55	17.65	17.93	17.20	17.40	17.90	18.02	18.51	18.60	18.51	19.60	19.82
15	17.99	17.99	17.73	18.00	17.71	18.22	18.01	18.67	18.44	18.37	19.01	19.97
20	18.00	17.61	18.00	18.01	17.48	18.16	17.92	18.64	18.42	18.68	19.52	19.40
25	18.01	17.96	17.72	17.70	17.44	18.06	18.09	18.82	18.58	18.89	18.90	19.50
Em	18.24	17.78	17.68	17.80	17.61	17.88	18.40	18.81	18.40	18.45	19.30	19.00

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	18.94	18.76	18.75	18.53	18.79	18.99	19.12	18.95	19.47	19.07	19.19	19.42
10	18.84	18.63	18.94	18.99	18.63	18.60	18.68	19.00	18.92	18.80	19.25	19.00
15	18.51	18.90	18.85	18.54	18.73	19.12	18.70	19.19	18.93	18.74	19.31	19.21
20	18.72	19.00	18.85	19.10	19.28	19.25	18.65	19.35	18.88	19.21	18.87	18.97
25	18.70	18.68	19.30	18.94	....	19.42	18.95	19.25	18.82	19.23	19.20	18.98
Em	18.50	18.93	18.61	18.58	19.00	19.16	18.76	19.30	18.66	19.40	19.64	19.22

395316075104901. Local number Ph-20. U.S. Naval Base. Phillip and West Third St., Philadelphia. Drilled observation artesian well in sand of Raritan Formation (lower aquifer). Cretaceous age; diam 8 in (20 cm); depth 266 ft (81 m); 19 ft (6 m) into rock; cased to 238 ft (73 m); screened 238-243 ft (73-74 m). Lsd 13 ft (4 m) above msrl. MP top of casing, 3.20 ft (0.98 m) above lsd. Highest water level 18.29 ft (5.57 m) below lsd, Sept. 10, 1974; lowest 64.90 ft (19.78 m) below lsd, Dec. 4, 1964. Records available: 1946-74. Mean daily fluctuation caused by tidal loading, 1.7 ft (0.5 m).

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	26.98	28.62	27.44	26.91	27.42	28.21	28.31	....	....	....	....	28.83
10	27.30	27.06	27.56	26.80	27.34	28.61	29.20	....	....	....	....	28.98
15	28.50	26.64	28.00	27.58	27.67	29.00	28.50	....	....	....	....	28.63
20	27.62	26.82	27.51	27.87	26.96	28.00	28.22	....	....	....	....	28.87
25	27.70	27.00	27.38	27.73	26.52	28.33	....	29.86	....	....	....	29.20
Em	27.22	26.85	26.94	27.18	27.29	28.01	....	29.30	....	....	29.41	28.80

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	28.58	28.80	29.44	29.28	....	29.62	30.01	30.32	19.95	27.68	30.66	....
10	29.01	28.60	29.00	29.45	....	29.68	30.02	29.80	18.29	27.40	29.78	....
15	28.73	28.94	28.85	29.42	....	30.52	31.55	31.10	....	28.27	30.23	....
20	28.70	29.18	29.13	29.81	....	31.43	30.33	30.61	....	28.90	29.24	29.19
25	28.60	29.17	29.90	29.40	....	32.00	31.50	30.40	27.51	30.25	....	29.52
Em	28.30	28.80	28.85	....	30.00	29.70	30.21	20.46	27.80	30.03	....	29.90

Potter County

414640077493801. Local number Po-72. U.S. Geol. Survey. Denton Hill State Park. Drilled observation artesian well in shale of Catskill Formation, Mississippian and Devonian age, diam 6 in (15 cm) depth 110 ft (34 m) cased to 21 ft (6 m). Lsd 1,810 ft (552 m) above msrl. MP top of plywood cover, 1.10 ft (0.34 m) above lsd. Highest water level 5.20 ft (1.58 m) below lsd, Mar. 23, 1968; lowest 29.00 ft (8.84 m) below lsd, Oct. 20, 1972. Records available: 1967-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	15.40	....	13.87	13.50	16.32	19.18	22.60	26.18	....	23.10	16.60	17.38
10	18.90	....	14.12	15.08	17.84	20.75	25.60	27.12	....	22.14	19.40	16.90
15	20.66	....	12.50	17.10	15.50	22.50	23.55	27.27	....	23.67	20.00	18.55
20	21.52	....	13.92	18.91	17.40	24.03	25.87	18.65	....	24.75	19.64	19.82
25	17.50	22.91	17.13	19.76	16...	25.74	26.72	....	25.50	25.35	19.22	....
Em	16.11	23.66	17.43	15.28	15.70	24.70	25.70	....	27.02	12.00	13.85	....

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	17.00	13.70	11.30	18.37	24.72	17.00	26.15	21.00	21.20	21.50	20.19
10	....	19.34	12.00	....	18.80	26.02	20.56	27.20	23.15	22.30	17.80	12.78
15	....	21.01	16.41	....	13.30	26.76	21.90	27.78	25.00	23.30	16.60	17.72
20	20.08	21.90	18.62	....	18.58	23.15	24.25	28.17	26.70	22.58	18.22	19.57
25	13.20	14.68	18.90	....	20.98	25.32	26.27	28.40	23.30	22.83	15.69	20.03
Em	12.08	17.18	18.70	18.22	22.56	16.40	22.55	25.95	22.60	23.70	18.01	18.95

Schuylkill County

403223076224201. Local number Sc-1. Nick C. Donofrio. Pine Grove. Dug unused water-table well in shale of Mahantango Formation, Devonian age, diam 52 in (132 cm), depth 33 ft (10 m), cased with stone. Lsd 560 ft (171 m) above msrl. MP top of wooden cover, at lsd. Highest water level 3.56 ft (1.09 m) below lsd, Aug. 31, 1940; lowest 31.78 ft (9.69 m) below lsd, Nov. 5, 1944. Records available: 1931-74.

GROUND-WATER LEVELS, 1973-74, NORTHEASTERN STATES

403223076224201--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1973	12.10	July 7, 1973	18.39	Dec. 29, 1973	14.20	June 29, 1974	16.60
13	15.17	14	20.00	Jan. 5, 1974	14.40	July 6	17.10
20	15.90	21	19.70	12	15.30	16	19.10
27	12.20	28	20.10	19	12.20	27	21.30
Feb. 3	13.07	Aug. 7	18.60	26	12.18	Aug. 3	19.17
10	14.60	11	18.80	Feb. 2	13.18	10	18.98
17	14.68	18	19.30	9	15.47	17	19.20
24	15.00	25	20.50	16	16.30	24	20.70
Mar. 3	16.58	Sept. 1	21.30	23	12.30	31	21.30
10	14.17	8	22.00	Mar. 2	14.70	Sept. 7	19.70
17	13.40	15	15.70	9	13.00	14	17.20
24	14.68	22	16.30	16	12.90	21	17.90
31	11.75	29	17.00	23	12.07	28	16.90
Apr. 7	12.70	Oct. 6	17.20	30	12.80	Oct. 5	19.50
14	14.30	9	17.20	Apr. 6	12.20	12	20.00
21	14.88	13	18.40	13	13.21	19	20.50
28	14.58	20	19.00	20	14.70	26	20.20
May 5	14.20	27	16.70	27	15.00	Nov. 2	21.30
12	13.50	Nov. 3	16.20	May 4	15.27	9	21.47
19	12.20	10	16.46	11	13.00	16	21.60
26	12.70	17	17.50	18	14.10	23	19.70
June 2	14.20	24	18.10	June 1	18.30	30	19.80
9	16.18	Dec. 1	16.40	8	18.80	Dec. 7	18.30
16	17.90	8	13.50	15	18.38	14	13.90
23	17.30	15	12.90	22	17.80	21	15.60
30	18.40	22	13.58				

Snyder County

403939076591001. Local number Sn-130. U.S. Geol. Survey. State Game Land No. 194. Drilled observation artesian well in shale of Marine beds of Chemung Formation, Devonian age (previously reported in shale of Catskill Formation, Mississippian and Devonian age), diam 6 in (15 cm), depth 100 ft (30 m), cased to 41 ft (13 m). Lsd 740 ft (226 m) above msl. MP top of plywood cover, 3.55 ft (1.08 m) above lsd. Highest water level 15.08 ft (4.60 m) below lsd, Feb. 3, 1970; lowest 19.42 ft (5.92 m) below lsd, Nov. 5, 1972. Records available: 1968-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	18.36	17.88	18.76	17.00	18.70	18.80	19.08	19.25	19.31	18.66	18.96	18.82
10	18.57	18.33	18.41	17.82	18.85	18.89	19.13	19.26	19.33	18.94	19.12	17.34
15	18.87	18.66	18.71	18.54	18.95	19.02	19.16	19.28	18.78	19.02	19.10	18.56
20	18.98	18.89	18.37	18.84	18.99	19.07	19.17	19.27	18..	19.09	19.19	18.79
25	18.46	18.97	18.75	18.93	18.88	...:	19.22	19.30	18..46	19.14	...:	18.18
Eom	18.05	19.01	18.94	18.28	18.35	19.07	19.24	19.30	18.80	18.59	18.60	18.11
1974												
5	18.55	18.80	18.69	17.72	19.03	19.18	19.10	18.20	19.04	19.19	19.32	18.39
10	18.72	18.93	17.90	17.80	19.07	19.15	19.17	18.86	19.14	19.20	19.37	18.05
15	18.67	19.08	18.50	18.35	18.81	19.20	19.20	19.03	18.59	19.23	18.85	18.70
20	18.40	19.14	18.80	18.67	19.03	19.20	19.26	19.11	19.00	19.24	18.92	18.26
25	18.07	18.57	18.45	18.89	19.10	19.19	19.26	19.12	18.85	19.26	18.79	18.76
Eom	18.43	18.72	16.90	18.93	19.12	19.10	19.10	19.17	19.08	19.31	18.97	18.87

Somerset County

400008079142801. Local number So-2. Commonwealth of Pennsylvania. Laurel Hill State Park. Drilled unused artesian well in shale and sandstone of Pottsville Group, Pennsylvanian age, diam 6 to 4 in (15 to 10 cm), depth 450 ft (137 m), cased to 310 ft (94 m). Lsd 2,037 ft (621 m) above msl. MP top of casing, 1.43 ft (0.44 m) above lsd. Highest water level 29.04 ft (8.85 m) below lsd, May 8, 1971; lowest 35.97 ft (10.96 m) below lsd, Aug. 21, 1937. Records available: 1937-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	31.38	.....	31.18	30.89	30.84	30.88	31.20	31.80	32.3	31.75	32.63	32.25
10	31.41	.....	31.24	30.82	30.74	30.92	31.31	31.98	32.3	31.79	32.69	32.19
15	31.42	.....	31.18	30.99	30.82	31.03	31.43	32.3	32.5	34.14	32.62	32.11
20	.....	b31.23	31.11	31.02	30.82	30.97	31.57	32.14	32.6	32.93	32.55	32.15
25	.....	31.24	.....	30.93	30.81	...:	31.69	32.2	31.71	32.93	...:	32.04
Eom	.....	31.28	31.13	30.86	30.82	31.13	31.78	32.3	31.73	32.57	32.29	.....
1974												
5	31.86	31.61	31.53	31.3	31.2	31.22	31.26	31.75	32.18	32.52	32.75	32.35
10	31.83	31.54	31.53	31.3	31.2	31.23	31.31	31.84	32.25	32.54	32.80	32.27
15	31.71	31.59	31.58	31.2	31.1	31.48	31.37	31.98	32.27	32.60	32.71	32.28
20	31.6	31.59	31.57	31.3	31.2	31.36	31.49	32.13	32.31	32.60	32.68	32.10
25	31.67	31.54	31.56	31.3	31.1	31.10	31.48	32.21	32.40	32.44	32.56	32.02
Eom	31.58	31.58	31.3	31.2	31.17	31.23	31.66	32.18	32.41	32.84	32.61	32.06

b Tape measurement.

Sullivan County

413026076352902. Local number Su-34. U.S. Geol. Survey. Near Forksville. Drilled observation water-table well in shale of Catskill Formation, Mississippian and Devonian age, diam 6 in (15 cm), depth 50 ft (15 m), cased to 34 ft (10 m). Lsd 1,050 ft (320 m) above msrl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 7.42 ft (2.26 m) below lsd, June 23, 1972; lowest 31.12 ft (9.49 m) below lsd, Sept. 4, 1966. Records available: 1965-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	24.52	21.50	26.85	18.80	.....	26.40	28.75	27.40	29.99	28.39	27.03	26.08
10	25.80	24.92	25.62	23.34	.....	27.60	29.12	28.60	28.36	28.72	28.28	.....
15	26.81	26.12	25.68	25.10	.....	28.48	29.21	28.50	28.00	28.90	28.64	24.50
20	27.30	26.92	19.8	.....	25.10	28.60	29.10	25.50	26.72	29.08	28.46	26.10
25	24.70	27.46	.....	.....	.....	28.71	29.10	27.99	26.82	29.20	28.52	22.82
Eom	24.52	27.74	.....	.....	24.40	28.42	27.70	28.78	27.85	28.90	24.72	e22.4
1974												
5	e25.4	25.57	.....	20.80	26.25	28.73	28.10	21.70	28.28	29.08	26.07	.....
10	26.59	26.90	.....	25.02	26.98	29.04	26.80	28.90	25.88	26.57	28.72	24.55
15	27.04	27.50	.....	24.30	24.50	29.20	27.91	29.18	27.10	28.88	27.00	24.56
20	26.31	27.80	26.59	25.50	26.39	25.90	28.35	29.39	28.20	28.78	26.22	23.55
25	22.75	23.75	26.02	29.63	27.73	27.84	28.65	29.53	26.00	29.02	26.26	25.58
Eom	23.05	24.92	26.50	27.82	28.61	27.94	27.62	28.80	27.33	29.10	26.24	26.10

e Estimated.

Susquehanna County

415025075524201. Local number Sq-1. Carlton Farm, Montrose. Dug unused water-table well in sand and gravel of Quaternary age, diam 4 ft (1 m), depth 38 ft (12 m), cased with stone. Lsd 1,690 ft (515 m) above msrl. MP top of wooden platform, 0.15 ft (0.05 m) above lsd. Highest water level 0.55 ft (0.17 m) below lsd, Apr. 8, 1970; lowest 11.40 ft (3.47 m) below lsd, Dec. 29, 1961. Records available: 1930-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1, 1973	2.07	June 30, 1973	4.55	Jan. 8, 1974	4.17	June 4, 1974	6.64
31	7.07	July 9	4.97	21	6.33	10	6.65
Feb. 13	4.12	24	7.94	29	2.22	25	6.91
20	6.23	Aug. 13	8.42	Feb. 4	3.39	July 2	6.22
Mar. 5	7.44	20	8.27	11	4.23	14	6.27
19	2.93	Sept. 4	8.32	18	6.15	22	7.50
27	3.41	30	5.54	25	3.25	Aug. 5	7.85
Apr. 3	2.28	Oct. 14	6.88	Mar. 5	4.91	Sept. 9	5.93
8	2.64	30	8.32	19	4.25	30	5.07
22	5.05	Nov. 13	8.62	25	3.66	Oct. 13	6.12
30	6.75	19	8.46	Apr. 2	4.32	22	7.01
May 7	6.62	Dec. 2	5.93	16	2.36	Nov. 5	7.48
21	3.75	9	4.09	23	3.89	26	4.14
29	3.95	23	2.16	30	5.39	Dec. 15	3.65
June 18	6.63	31	2.57	May 31	6.57		

415323075451301. Local number Sq-61. U.S. Geol. Survey. State Game Land No. 175. Drilled observation artesian well in sandstone and shale of Susquehanna Group, Mississippian and Devonian age, diam 6 in (15 cm), depth 175 ft (53 m), cased to 80 ft (24 m). Lsd 1,270 ft (387 m) above msrl. MP top of casing, 3.00 ft (0.91 m) above lsd. Highest water level 23.82 ft (7.26 m) below lsd, Nov. 16, 1972; lowest 37.11 ft (11.31 m) below lsd, Oct. 22, 1973. Records available: 1972-74.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	32.74	34.00	34.80	33.39	29.92
10	32.90	34.42	34.08	26.60	26.49
15	33.00	34.58	34.07	25.30	27.89
20	31.42	33.20	34.39	34.51	26.86	29.90	.....
25	31.67	33.40	34.57	34.72	28.71	28.88	.....
Eom	32.66	33.74	34.50	34.61	27.99	29.07	.....

1973

5	28.19	29.07	33.43	27.50	31.74	31.32	33.20	35.30	.....	.....	.....	33.75
10	30.06	29.80	32.08	26.64	31.78	32.00	33.82	36.61	.....	36.76	.....	30.85
15	31.61	31.10	31.16	27.68	29.38	32.69	34.38	35.70	.....	36.88	.....	28.68
20	32.42	32.17	25.83	30.02	28.80	33.45	34.86	35.80	.....	37.00	.....	30.71
25	32.10	32.90	28.36	31.24	28.66	.....	35.22	36.31	.....	.....	36.30	27.21
Eom	32.07	33.28	29.60	32.04	30.52	.....	35.22	.....	.....	.....	34.59	25.60

1974

5	29.02	28.92	30.07	26.45	31.80	33.22	34.35	35.15	34.73	34.82	35.70	32.79
10	31.00	30.63	29.57	26.89	31.82	33.58	33.81	35.41	34.62	35.01	35.25	29.09
15	32.25	31.98	29.72	26.57	29.53	33.93	34.18	35.79	34.97	35.48	33.24	28.78
20	33.05	32.79	30.46	27.57	30.25	34.28	34.77	36.00	35.30	35.53	31.93	29.90
25	31.54	28.74	28.46	29.63	31.80	34.18	34.99	.....	34.52	35.51	31.66	30.97
Eom	26.94	.....	29.90	.....	32.73	.....	35.02	35.94	.....	35.75	.....	31.78

Tioga County

414510077333301. Local number Ti-1. Mrs. Ruth K. Wilson. Gaines. Dug unused water-table well in sand and gravel of Quaternary age, diam 30 in (76 cm), depth 23 ft (7 m), cased with stone. Lsd 1,290 ft (393 m) above msl. MP top of wooden cover, 3.80 ft (1.16 m) above lsd. Highest water level 4.17 ft (1.27 m) below lsd, Apr. 22, 1961; lowest 22.04 ft (6.72 m) below lsd, Nov. 6, 1963. Records available: 1935-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1973	13.35	July 7, 1973	17.55	Jan. 1, 1974	9.71	July 6, 1974	11.60
13	15.95	14	18.24	12	13.89	13	15.24
20	17.37	21	17.70	19	14.85	20	17.32
27	15.30	28	17.85	26	10.75	27	17.90
Feb. 3	10.09	Aug. 4	18.09	Feb. 2	10.10	Aug. 3	18.08
10	9.30	11	18.55	9	11.09	10	18.28
17	15.25	18	15.80	16	15.98	17	18.55
24	16.40	25	7.85	23	14.18	24	18.85
Mar. 3	16.42	Sept. 1	13.45	Mar. 2	13.09	31	18.48
10	15.25	8	8.54	9	12.75	Sept. 7	17.25
17	6.85	15	11.93	16	8.65	14	18.15
24	9.08	22	15.22	23	11.72	21	18.33
31	13.00	29	14.63	30	13.34	28	17.21
Apr. 7	9.69	Oct. 16	16.69	Apr. 6	5.86	Oct. 5	18.08
14	11.44	17	17.55	13	8.51	12	18.44
21	14.80	20	18.20	20	10.15	19	18.55
28	15.58	27	18.75	27	13.05	26	18.80
May 5	15.22	Nov. 3	13.48	May 4	15.40	Nov. 2	18.89
12	16.06	10	15.84	11	16.80	9	17.69
19	15.88	17	17.37	18	14.90	16	17.40
26	12.84	24	18.27	25	16.50	23	16.99
June 2	12.80	Dec. 1	15.10	June 1	17.47	30	17.50
9	11.80	8	15.50	8	18.12	Dec. 7	18.00
19	13.55	15	12.26	15	18.40	14	15.00
23	16.80	22	13.46	22	17.75	21	14.90
30	17.70	29	6.14	29	16.88	28	14.90

414513077333701. Local number Ti-100. U.S. Geol. Survey. State Game Land No. 208. Drilled observation artesian well in sandstone of Oswayo Formation, Devonian age, diam 6 in (15 cm), depth 77 ft (23 m), cased to 67 ft (20 m). Lsd 1,310 ft (399 m) above msl. MP top of casing, 4.00 ft (1.22 m) above lsd. Highest water level 31.94 ft (9.74 m) below lsd, Apr. 4, 1974; lowest 34.66 ft (10.56 m) below lsd, Oct. 18, 1972. Records available: 1972-74.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	32.88	33.86	34.29	.....	33.83
10	33.18	34.07	34.61	.....	33.41
15	33.40	34.10	34.53	34.10	33.31
20	32.33	33.57	.....	34.59	33.94	.....
25	32.22	33.63	34.11	.....	33.94	.....
Eom	32.85	33.78	.....	.....	34.09	.....

1973

5	33.48	....	33.67	33.14	33.46	....	33.20	33.70	33.08	33.27	33.04	32.85
10	.....	.....	33.60	....	33.62	....	33.32	32.68	32.82	33.37	33.23	32.69
15	.....	.....	33.00	33.32	....	33.42	32.45	....	32.80	33.02	33.44	33.26
20	.....	.....	33.51	33.10	....	33.23	33.43	32.90	33.12	33.58	33.38	33.01
25	.....	.....	33.96	32.92	....	32.99	33.45	33.04	33.20	33.57	33.23	32.37
Eom	.....	.....	33.90	33.37	....	33.20	33.63	33.24	33.12	33.33	33.11	32.19

1974

5	32.49	32.48	32.60	32.02	32.72	33.12	32.47	33.36	33.59	33.71	33.42	33.66
10	32.53	32.53	32.28	32.31	32.89	33.06	32.62	33.51	33.50	33.22	33.62	33.13
15	32.59	32.94	32.20	.32.06	32.49	33.22	32.98	33.63	33.58	33.32	33.34	33.18
20	32.63	33.09	32.39	32.47	32.85	33.16	32.21	33.69	33.68	33.44	33.25	33.08
25	32.41	32.62	32.65	32.43	32.69	33.34	32.26	33.68	33.42	33.30	33.27	33.05
Eom	32.09	....	32.36	....	32.92	....	32.36	33.63	....	33.56	....	33.08

Union County

405928077115501. Local number Un-51. U.S. Geol. Survey. Robert B. Winter State Park. Drilled observation artesian well in Reedsville Shale, Ordovician age, diam 6 in (15 cm), depth 115 ft (35 m), cased to 91 ft (28 m). Lsd 1,550 ft (472 m) above msl. MP top of plywood cover, 3.58 ft (1.09 m) above lsd. Highest water level 25.46 ft (7.76 m) below lsd, June 30, 1972; lowest 41.50 ft (12.65 m) below lsd, Nov. 5-8, 1972. Records available: 1967-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	34.18	37.65	38.32	35.98	36.92	35.25	38.62	40.10	40.80	40.27	.....	38.43
10	35.35	35.15	38.56	34.75	36.78	35.58	38.99	40.25	40.89	40.13	.....	e37.30
15	36.60	35.40	38.52	34.02	36.50	35.83	39.30	40.37	40.84	39.97	.....	e35.55
20	37.43	36.46	36.54	34.90	....	36.65	39.53	40.46	40.67	39.88	37.02	e34.20
25	37.88	37.38	33.68	36.68	35.71	35.37	39.70	40.58	40.58	39.87	.....	.....
Eom	38.37	37.87	35.20	36.90	35.57	38.15	39.93	40.72	40.46	39.25	38.17

PENNSYLVANIA, WASHINGTON COUNTY

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405928077115501--Continued.

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	26.38	36.34	37.55	38.15	39.12	39.00	39.64	40.21	40.72	40.37
10	35.27	.....	32.56	38.15	38.56	38.71	38.97	39.76	40.30	40.79	39.84	
15	36.57	.....	33.58	38.31	38.90	38.42	39.00	39.88	40.39	40.79	38.36	
20	37.46	.....	34.73	38.00	39.08	38.60	39.15	40.00	40.47	40.77	41.22	
25	.....	37.78	35.72	37.35	39.22	38.84	39.35	40.02	40.58	40.68	34.82	
Eom	.....	26.05	36.82	36.80	37.65	39.38	38.84	39.55	40.12	40.66	40.59	35.53

e Estimated.

Warren County

414159079213601. Local number Wr-50. U.S. Geol. Survey. State Game Land No. 86. Drilled observation artesian well in shale of Oswayo Formation, Devonian age, diam 6 in (15 cm), depth 105 ft (32 m), cased to 46 ft (14 m). Lsd 1,170 ft (357 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 40.00 ft (12.19 m) below lsd, June 9, 1973; lowest 44.69 ft (13.62 m) below lsd, Nov. 23, 24, 1973. Records available: 1972-74.

Lowest water level for the day, from recorder graph, 1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	40.94	.....	43.30	43.45	42.60
10	41.30	.....	43.40	43.07	42.05
15	41.53	42.61	.....	42.81	42.09
20	41.73	42.97	.....	42.70	41.90
25	41.99	42.99	.....	42.72	.....
Eom	42.36	42.85	43.63	42.88	.....

1973

5	41.93	42.23	40.82	41.11	41.10	.....	43.41	43.91	44.32	44.50	44.22	
10	41.87	41.98	40.76	41.00	41.06	.....	43.48	44.00	44.41	44.58	44.21	
15	41.70	41.74	41.32	41.16	41.33	.....	43.50	44.05	44.36	44.35	44.00	
20	41.99	41.20	41.05	41.19	40.99	.....	43.66	44.14	44.53	44.60	44.28	
25	42.02	42.28	41.33	41.00	41.06	41.73	43.11	43.79	44.31	44.49	44.41	44.13
Eom	42.21	42.33	41.07	41.18	41.12	41.81	43.18	43.90	44.28	44.12	44.46	43.68

1974

5	43.76	43.21	42.80	41.63	.....	e42.4	42.80	.....	44.00	44.00	43.84	42.32
10	43.64	43.11	42.69	e41.7	.....	.....	.....	.....	44.01	43.82	43.87	42.14
15	43.70	43.35	42.47	e41.4	.....	.....	.....	.....	44.04	43.85	43.52	42.53
20	43.67	43.30	42.70	e41.6	.....	.....	.....	43.84	44.07	43.97	43.43	.....
25	43.49	43.26	42.28	e41.73	41.39	42.94	.....	44.00	44.07	43.96	43.16	.....
Eom	43.02	.....	41.72	.....	42.00	.....	.....	43.89	.....	44.08	.....	.....

e Estimated.

Washington County

400220080121701. Local number Ws-1. Floyd King, Amity. Dug domestic water-table well in limestone of Washington Formation, Permian age, diam 40 in (102 cm), depth 36 ft (11 m), cased with stone to 4 ft (1 m). Lsd 1,190 ft (363 m) above msl. MP top of brass plate under trap door 0.70 ft (0.21 m) above lsd. Highest water level 4.87 ft (1.48 m) below lsd, Apr. 28, 1973; lowest dry, July 17, 1965. Records available: 1936-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 6, 1973	12.81	July 14, 1973	22.85	Jan. 5, 1974	13.87	July 6, 1974	9.81
13	12.85	21	22.89	12	12.85	13	9.83
20	12.90	28	23.81	18	9.81	20	9.86
27	13.81	Aug. 4	23.85	26	9.85	27	11.81
Feb. 3	12.87	11	29.81	Feb. 2	9.85	Aug. 3	11.80
10	12.90	18	28.87	9	9.89	10	12.81
17	10.81	25	28.89	16	9.87	17	12.83
24	13.87	Sept. 1	28.81	23	10.81	24	20.81
Mar. 3	13.86	8	28.85	Mar. 2	10.89	31	11.80
10	8.81	15	29.85	9	11.83	Sept. 7	12.51
17	8.84	22	29.87	16	12.81	14	11.89
24	8.87	29	29.89	23	12.85	16	11.90
30	11.82	Oct. 7	27.81	30	10.81	28	9.89
Apr. 7	11.89	13	27.83	Apr. 6	9.87	Oct. 5	10.85
14	10.81	20	28.81	13	9.89	12	10.85
21	10.84	27	28.85	20	10.81	18	10.83
28	4.87	Nov. 3	27.81	27	11.81	26	10.89
May 5	4.89	10	27.87	May 4	11.83	Nov. 2	16.89
12	8.81	17	28.81	11	11.81	9	16.85
19	8.83	24	26.81	18	9.83	16	17.87
26	8.85	Dec. 1	25.85	25	9.87	20	18.81
June 2	12.88	8	25.87	June 1	10.81	30	18.85
9	13.81	15	25.83	8	10.85	Dec. 7	19.81
16	13.83	22	24.81	15	10.89	14	7.81
23	16.81	27	13.80	22	10.81	21	8.81
30	16.85	29	13.81	29	8.86	28	9.83
July 7	17.81						

400233080261301. Local number Ws-155. U.S. Geol. Survey. Near Good Intent. Drilled observation artesian well in Washington Formation, Permian age, diam 6 in (15 cm), depth 160 ft (49 m), cased to 19 ft (6 m). Lsd 1,110 ft (338 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 32.51 ft (9.91 m) below lsd, Jan. 15, 1974; lowest 39.01 ft (11.89 m) below lsd, July 11, 1971. Records available: 1971-74.

Lowest water level for the day, from recorder graph, 1971

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	37.65	37.57	.....	.....
10	38.83	.....	37.75	37.62	.....	.....
15	37.96	37.43	37.84	37.37	.....
20	37.67	37.53	37.54	.....	.....
25	37.56	37.53	37.62	.....	.....
Eom

1972

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	36.17	34.62	35.88	36.21	37.10	35.77	36.40	36.50	36.36	.....	34.87
10	.....	36.38	34.91	35.14	35.38	37.00	35.72	36.46	36.70	36.22	.....	33.27
15	.....	34.80	34.01	34.28	36.20	36.90	35.91	36.66	36.70	36.22	35.14	34.03
20	.....	35.27	34.72	34.61	35.30	36.81	35.44	36.50	36.73	36.26	35.15	34.45
25	36.29	35.24	35.44	35.30	36.40	33.75	35.84	36.50	36.82	.....	34.88	34.18
Eom	36.32	35.09	35.72	35.90	36.50	35.20	36.27	36.60	36.25	.....	34.15	35.22

1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	34.95	34.08	34.58	33.75	34.63	35.48	35.81	35.20	.....	35.89	35.74	34.94
10	35.34	34.89	34.58	33.75	34.17	35.52	35.87	35.40	.....	35.88	35.92	35.03
15	35.67	34.98	34.17	34.19	34.89	35.72	35.73	35.50	.....	35.92	35.74	34.45
20	35.59	35.37	33.68	35.13	35.26	35.21	35.90	35.40	35.91	36.02	35.58	.....
25	35.44	35.73	34.48	34.03	35.48	35.54	.....	35.94	36.05	35.46	.....	34.63
Eom	34.80	35.73	.....	33.17	35.58	35.74	.....	35.91	35.68	34.63	.....	.....

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	33.90	34.78	35.00	33.10	34.79	34.35	.....	34.80	32.87	.....	.....	.....
10	34.07	34.52	35.10	33.49	35.03	34.90	.....	35.13	.....	.....	.....	.....
15	32.51	34.96	34.92	33.76	33.62	35.15	.....	35.29	.....	.....	.....	.....
20	33.12	35.19	34.34	34.65	34.58	35.23	.....	35.39	.....	.....	.....	.....
25	33.60	34.93	33.88	33.63	34.95	.....	35.0	35.14	.....	.....	.....	.....
Eom	33.92	.....	34.65	.....	34.95	.....	34.32	34.25	.....	.....	.....	.....

Wayne County

41433075153201. Local number Wn-64. U.S. Geol. Survey. State Game Land No. 159. Drilled observation artesian well in sand and gravel of glacial outwash, Quaternary age, diam 6 in (15 cm), depth 52 ft (16 m), cased to 52 ft (16 m). Lsd 1,330 ft (405 m) above msl. MP top of plywood cover, 2.57 ft (0.78 m) above lsd. Highest water level 7.88 ft (2.40 m) below lsd, Nov. 17, 1972; lowest 31.95 ft (9.74 m) below lsd, Nov. 5, 1970. Records available: 1967-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	25.40	27.10	28.95	24.98	26.00	24.00	25.52	28.40	28.68	29.80	29.13	26.69
10	26.30	27.00	27.80	24.70	26.10	22.10	25.50	28.23	29.18	29.82	28.80	25.50
15	27.50	27.40	26.93	25.17	24.58	24.92	27.70	28.36	29.56	29.80	28.77	25.47
20	28.15	28.17	26.60	25.91	23.40	26.69	28.35	27.08	29.80	29.90	28.49	25.95
25	27.59	28.66	26.64	26.26	23.64	27.55	28.80	27.20	29.82	29.98	.....	25.40
Eom	27.58	28.90	26.44	26.31	23.61	26.51	28.88	28.14	29.80	29.90	27.07	24.82

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	25.37	25.01	25.92	23.85	25.18	26.67	29.12	30.00	30.09	28.46	28.23	26.50
10	26.15	25.70	24.76	23.95	24.50	26.99	29.25	30.05	.....	28.21	27.68	25.61
15	26.50	26.62	25.10	23.18	23.00	27.85	29.50	30.18	.....	28.42	26.53	25.60
20	26.78	27.20	25.05	23.81	24.02	28.53	29.77	30.29	.....	28.17	25.98	25.81
25	25.95	26.52	24.51	24.67	25.70	28.87	29.97	30.40	29.59	27.99	25.90	26.24
Eom	24.61	26.19	25.02	25.50	27.18	29.10	29.92	30.50	29.20	28.18	26.36	26.40

h Tape measurement.

Westmoreland County

402138079031801. Local number We-300. U.S. Geol. Survey. State Game Land No. 42. Drilled observation artesian well in shale of Conemaugh Formation, Pennsylvanian age, diam 6 in (15 cm), depth 110 ft (34 m), cased to 22 ft (7 m). Lsd 1,270 ft (387 m) above msl. MP top of plywood cover, 3.05 ft (0.93 m) above lsd. Highest water level 15.54 ft (4.74 m) below lsd, Apr. 22, 1972; lowest 29.22 ft (8.91 m) below lsd, July 3, 1968. Records available: 1968-74.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	18.31	.....	17.90	.....	15.79	.....	19.09	19.58	19.48	.....	16.96	.....
10	18.66	.....	16.88	.....	16.05	.....	19.13	19.67	19.7	.....	16.99	.....
15	18.96	.....	16.70	.....	16.14	.....	19.26	19.23	19.81	.....	16.98	.....
20	18.58	.....	16.74	.....	16.09	.....	19.40	19.36	19.90	.....	16.98	.....
25	17.99	.....	16.55	.....	16.44	.....	19.34	19.43	19.90	.....	17.69	17.04
Eom	.....	.....	16.52	.....	19.04	.....	19.48	19.77	.....	17.33	16.74	.....

402138079031801--Continued.

1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	16.93	16.90	16.25	15.84	16.34	16.52	17.78	18.86	18.29	18.29	18.69	17.76
10	17.03	16.67	16.31	16.05	16.59	16.92	17.76	18.76	17.73	18.73	18.62	17.39
15	16.63	17.17	15.99	15.57	16.43	17.72	18.01	18.61	17.67	19.12	18.43	17.48
20	16.81	17.35	15.88	16.03	16.57	18.25	18.55	18.86	17.58	18.96	18.11	17.48
25	16.76	16.98	16.21	16.16	16.41	18.37	19.00	19.30	17.38	18.60	17.89	17.78
Eom	16.59	17.11	16.07	16.01	16.56	18.36	19.05	19.14	17.78	18.94	17.84	17.81

York County

400317076452001. Local number Yo-180. New York Wire Cloth Co. Near Zions View. Drilled un-used artesian well in shale of New Oxford Formation, Triassic age, diam 8 in (20 cm), depth 490 ft (149 m), casing information not available. Lsd 360 ft (110 m) above ms1. MP top of casing, at lsd. Highest water level 20.08 ft (6.12 m) below lsd, Apr. 30, 1968; lowest 37.55 ft (11.45 m) below lsd, Nov. 3, 4, 1963. Records available: 1962-74. Recording gage removed October 1973.

Lowest water level for the day, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	22.41	22.93	24.57	23.30	21.00	22.18	21.92	27.00	.....	.....	.....	.....
10	22.50	22.02	24.17	.....	21.46	22.13	22.70	.....	.....	.....	.....	.....
15	23.19	22.90	23.90	.....	22.67	22.68	23.80	.....	.....	.....	.....	.....
20	23.77	23.08	24.15	.....	23.52	22.59	24.65	.....	.....	.....	.....	.....
25	24.24	24.02	24.60	21.74	23.54	.....	25.41	28.30	28.05	28.29	.....	.....
Eom	23.06	24.28	24.62	21.14	22.54	22.00	26.50	28.83	.....	.....	.....	.....

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22, 1974	22.52	Apr. 23, 1974	20.41	Aug. 23, 1974	28.11	Nov. 22, 1974	27.50
Feb. 20	24.10	June 28	25.98	Sept. 27	26.78	Dec. 20	25.30
Mar. 29	24.06	July 26	26.81	Oct. 24	27.65		

RHODE ISLAND

The observation-well program in Rhode Island was continued during 1973 through 1974 in cooperation with the Rhode Island Water Resources Coordinating Board. Figure 13 shows the location of observation wells included in this report.

Well-Numbering System

The first number shown is the new national well-numbering system represented by the latitude and longitude coordinates of the well location, as explained on page 1. Local well numbers, designated by a three-letter abbreviation of a city or town name and serial numbers assigned within each city or town, have been continued in this report for the convenience of local users and for easy reference to previously published data.

Well Descriptions and Water-Level Measurements

Water levels are reported in feet below land surface datum, unless otherwise indicated.

Kent County

414022071332801. Local number Cov 411. Robert Card. Powhatan Ave., near Washington. Dug unused water-table well in sand and gravel of Pleistocene age, diam 24 in (61 cm), depth 26 ft (8 m), cased with concrete. Lsd 260 ft (79 m) above msl. MP hole in top of wooden cover, 1.98 ft (0.60 m) above lsd. Highest water level 18.50 ft (5.64 m) below lsd, Dec. 27, 1972; lowest 23.73 ft (7.23 m) below lsd, Jan. 29, 1966. Records available: 1961-74.

Date	Water level						
Jan. 27, 1973	19.53	July 29, 1973	21.26	Jan. 26, 1974	20.28	July 27, 1974	21.92
Feb. 23	19.49	Aug. 27	21.48	Feb. 23	20.10	Aug. 24	22.31
Mar. 24	20.34	Sept. 22	21.93	Mar. 23	20.17	Sept. 28	22.54
Apr. 24	19.28	Oct. 27	22.21	Apr. 27	19.74	Oct. 26	22.28
May 26	19.72	Nov. 24	22.34	May 25	20.79	Nov. 23	22.35
June 23	20.60	Dec. 27	20.45	June 22	21.52	Dec. 27	21.18

413907071465001. Local number Wgr 181. E. Lambert. Hazard Rd., near West Greenwich Center. Dug unused water-table well in sand and gravel of Pleistocene age, diam 30 in (76 cm), depth 19 ft (6 m), lined with stone. Lsd about 380 ft (116 m) above msl. MP edge of shelter floor, 2.19 ft (0.67 m) above lsd. Highest water level 13.36 ft (4.07 m) below lsd, Dec. 29, 1969; lowest 17.68 ft (5.39 m) below lsd, Sept. 28, 1974. Records available: 1969-74.

Jan. 25, 1969	14.86	Aug. 28, 1970	17.15	Mar. 26, 1972	13.42	Aug. 27, 1973	16.43
Mar. 26	13.45	Oct. 24	17.10	Apr. 22	15.79	Sept. 22	16.74
Apr. 25	13.84	Nov. 21	15.92	May 27	15.50	Oct. 27	17.05
May 24	14.30	Dec. 28	16.01	June 24	14.30	Nov. 23	16.83
June 25	16.50	Jan. 23, 1971	16.17	July 22	16.26	Dec. 27	13.92
July 28	16.82	Feb. 20	15.47	Aug. 24	16.86	Jan. 26, 1974	14.35
Aug. 26	16.72	Mar. 27	15.17	Sept. 23	17.01	Feb. 23	15.30
Sept. 25	16.94	Apr. 24	15.66	Oct. 28	16.79	Mar. 23	14.36
Oct. 25	17.00	May 24	15.74	Nov. 25	14.19	Apr. 27	15.77
Nov. 22	15.80	June 26	16.62	Dec. 27	14.31	May 25	15.94
Dec. 29	13.36	July 24	16.91	Jan. 27, 1973	15.86	June 22	16.81
Jan. 24, 1970	15.88	Aug. 25	17.59	Feb. 23	15.36	July 27	16.98
Feb. 21	14.63	Sept. 25	17.25	Mar. 24	15.53	Aug. 24	17.29
Mar. 27	15.70	Oct. 25	17.51	Apr. 21	15.16	Sept. 28	17.68
Apr. 25	15.37	Nov. 26	17.22	May 26	15.82	Oct. 26	16.24
May 23	16.10	Dec. 27	16.40	June 23	16.61	Nov. 23	16.68
June 27	16.61	Jan. 22, 1972	15.58	July 29	16.91	Dec. 27	15.45
July 25	16.87	Feb. 25	15.01				

Providence County

415710071402201. Local number Bur 187. Brothers of the Sacred Heart. Harrisville Rd., near Harrisville. Dug unused water-table well in sand and gravel of Pleistocene age, diam 20 in (61 cm), depth 20 ft (6 m), lined with stone. Lsd 462 ft (141 m) above msl. MP hole in base of shelter, 0.59 ft (0.18 m) above lsd. Highest water level 12.15 ft (3.70 m) below lsd, Apr. 9, 1970; lowest 18.83 ft (5.74 m) below lsd, Nov. 3, 1970. Records available: 1968-74. Continuous recording gage installed Dec. 29, 1967; removed Apr. 21, 1973. Highest and lowest water levels for period of record are from recorder graph.

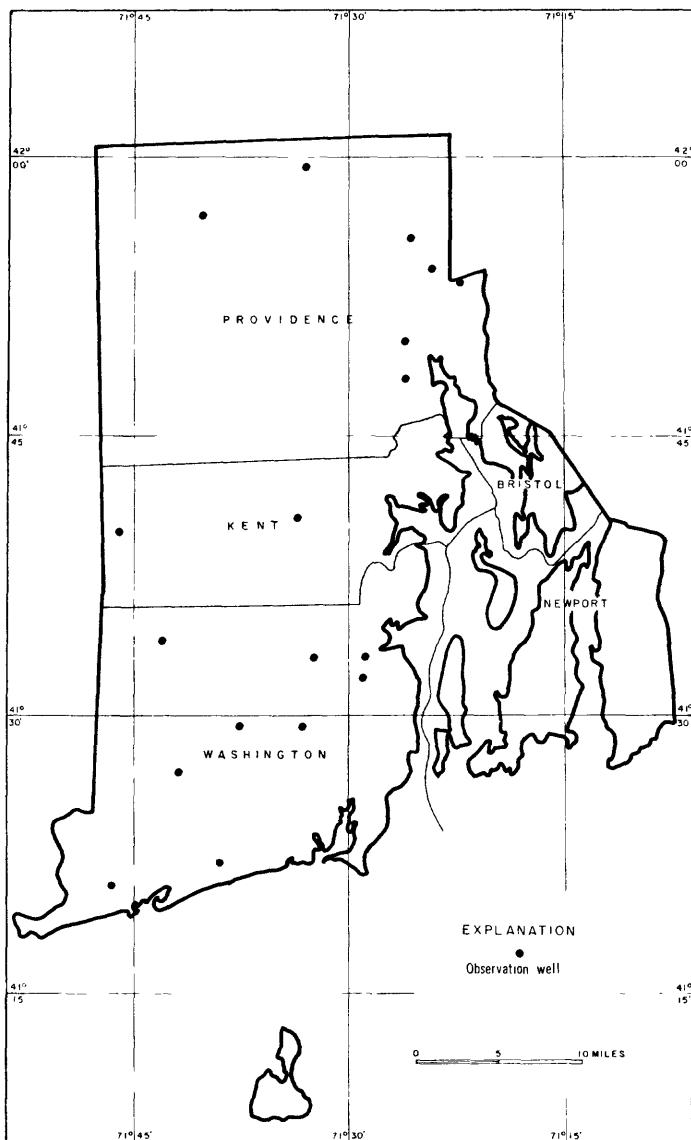


Figure 13.--Location of observation wells in Rhode Island, 1973-74.

415710071402201--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1968	15.24	Oct. 25, 1969	17.29	July 24, 1971	16.38	Mar. 24, 1973	13.69
Feb. 26	14.83	Nov. 22	16.11	Aug. 25	17.40	Apr. 21	13.30
Mar. 26	12.85	Dec. 29	14.39	Sept. 25	18.08	July 30	15.54
Apr. 25	13.70	Jan. 24, 1970	14.29	Oct. 25	18.40	Aug. 27	16.53
May 25	14.49	Feb. 21	12.61	Nov. 26	18.04	Sept. 22	17.06
June 25	14.31	Mar. 27	13.74	Dec. 27	16.46	Oct. 27	17.56
July 25	15.28	Apr. 25	12.88	Jan. 22, 1972	15.57	Nov. 23	16.94
Aug. 26	16.56	May 23	13.86	Feb. 25	15.28	Dec. 27	14.89
Sept. 25	17.50	June 27	14.86	Mar. 26	12.94	Jan. 26, 1974	13.74
Oct. 26	18.22	July 25	15.99	Apr. 22	13.52	Feb. 23	13.11
Nov. 23	18.06	Aug. 28	17.37	May 27	12.98	Mar. 23	13.13
Dec. 26	16.47	Sept. 24	18.17	June 24	12.83	Apr. 27	12.42
Jan. 25, 1969	16.06	Oct. 24	18.77	July 22	13.98	May 25	12.91
Feb. 27	16.44	Nov. 21	18.52	Aug. 24	15.27	June 22	14.00
Mar. 26	15.93	Dec. 28	17.55	Sept. 23	16.15	July 27	15.64
Apr. 25	13.24	Jan. 23, 1971	17.17	Oct. 28	15.81	Aug. 24	17.15
May 24	13.65	Feb. 20	16.84	Nov. 25	13.96	Sept. 28	17.54
June 25	14.98	Mar. 27	14.20	Dec. 27	12.18	Oct. 26	16.00
July 28	16.34	Apr. 24	14.00	Jan. 27, 1973	13.04	Nov. 23	16.07
Aug. 26	16.75	May 24	13.79	Feb. 23	13.40	Dec. 27	15.00
Sept. 29	17.22	June 26	15.11				

415626071254601. Local number Cum 265. Matthew J. Partridge, 27 Scott Rd., near Ashton. Dug unused water-table well in sand and gravel of Pleistocene age, diam 24 in (61 cm), depth 20 ft (6 m), lined with stone. Lsd about 130 ft (40 m) above ms1. MP hole in wooden cover, 0.06 ft (0.02 m) above lsd. Highest water level 9.60 ft (2.93 m) below lsd, Mar. 26, 1969; lowest 17.20 ft (5.24 m) below lsd, Sept. 29, 1949. Records available: 1946-74.

Jan. 27, 1973	12.16	July 30, 1973	12.97	Jan. 26, 1974	11.08	July 27, 1974	15.15
Feb. 23	11.90	Aug. 27	13.81	Feb. 23	11.53	Aug. 24	15.96
Mar. 24	11.97	Sept. 22	13.94	Mar. 23	11.04	Sept. 28	13.37
Apr. 24	11.58	Oct. 27	14.49	Apr. 27	11.82	Oct. 26	12.12
May 26	11.81	Nov. 23	12.72	May 25	12.39	Nov. 23	12.16
June 23	12.94	Dec. 27	10.14	June 22	13.57	Dec. 27	10.98

415437071242201. Local number Lin 84. Maplehurst Farm, Inc. Between Blackstone River and Front St., Lonsdale. Drilled unused water-table well in sand and gravel of Pleistocene age, diam 8 in (20 cm), depth 107 ft (33 m), cased to 107 ft (33 m), open bottom. Lsd about 60 ft (18 m) above ms1. MP inside lower lip of 8-in (20-cm) pipe, 3.32 ft (1.01 m) above lsd. Highest water level 0.02 ft (0.01 m) above lsd, Mar. 26, 1969; lowest 7.30 ft (2.23 m) below lsd, Aug. 24, 1966. Records available: 1946-74.

Jan. 27, 1973	4.27	July 30, 1973	5.10	Jan. 26, 1974	3.33	July 27, 1974	6.15
Feb. 23	4.91	Aug. 27	5.47	Feb. 23	2.24	Aug. 24	6.53
Mar. 24	5.15	Sept. 22	5.43	Mar. 23	1.47	Sept. 28	6.72
Apr. 24	5.04	Oct. 27	5.73	Apr. 27	3.56	Oct. 26	5.36
May 26	4.63	Nov. 23	5.86	May 25	4.55	Nov. 23	5.21
June 23	5.25	Dec. 27	2.65	June 22	5.24	Dec. 27	4.73

415948071325001. Local number Nsm 21. Thomas E. Esty, State Highway 146, near Branch Village. Dug domestic water-table well in sand and gravel of Pleistocene age, diam 24 in (61 cm), depth 16 ft (5 m), cased with tile, open bottom. Lsd 238.68 ft (72.75 m) above ms1. MP hole in wooden cover at top of tile casing, 2.08 ft (0.63 m) below lsd. Highest water level 3.67 ft (1.12 m) below lsd, Mar. 26, 1969; lowest 11.71 ft (3.57 m) below lsd, Oct. 28, 1957. Records available: 1947-74. Water levels affected by pumping.

Jan. 27, 1973	6.93	July 30, 1973	8.52	Jan. 26, 1974	5.93	July 27, 1974	9.28
Feb. 23	6.66	Aug. 27	9.11	Feb. 23	5.98	Aug. 24	9.89
Mar. 24	6.86	Sept. 22	9.08	Mar. 23	5.89	Sept. 28	10.18
Apr. 24	6.25	Oct. 27	9.89	Apr. 27	6.26	Oct. 26	7.68
May 26	6.90	Nov. 23	9.00	May 25	6.60	Nov. 23	7.57
June 23	7.47	Dec. 27	7.41	June 22	8.29	Dec. 27	6.99

415318071220401. Local number Paw 136. Greenhalgh Mills, Inc. 314 Woodbine St., Pawtucket. Drilled unused water-table well in gravel of Pleistocene age, diam 2 in (5.1 cm), depth 43 ft (13 m), cased to 40 ft (12 m), screened about 40-43 ft (12-13 m). Lsd about 86 ft (26 m) above ms1. MP top of casing, 3.15 ft (0.96 m) above lsd. Highest water level 2.32 ft (0.71 m) below lsd, Dec. 27, 1972; lowest 7.28 ft (2.22 m) below lsd, Jan. 29, 1966. Records available: 1962-74.

Jan. 27, 1973	2.74	July 30, 1973	4.53	Feb. 23, 1974	3.40	Aug. 24, 1974	6.11
Feb. 23	2.74	Sept. 22	3.74	Mar. 23	3.29	Sept. 28	6.62
Mar. 24	3.39	Oct. 27	4.47	Apr. 27	3.22	Oct. 26	5.07
Apr. 24	3.00	Nov. 23	4.70	May 25	3.69	Nov. 23	5.36
May 26	3.30	Dec. 27	3.64	June 22	4.19	Dec. 27	4.94
June 23	3.64	Jan. 26, 1974	3.40	July 27	4.84		

414746071255601. Local number Pro 48. Gorham Manufacturing Co. 333 Adelaide Ave., Providence. Drilled unused artesian well in sand and gravel of Pleistocene age, diam 8 in (20 cm), depth 124 ft (38 m), cased to 116 ft (35 m), screened 116-124 ft (35-38 m). Lsd 45.79 ft (13.96 m) above ms1. MP top edge of hole in center of steel cover, 0.48 ft (0.15 m) below lsd. Highest water level 5.08 ft (1.55 m) below lsd, Apr. 20, May 4, 1953; lowest 10.22 ft (3.12 m) below lsd, Oct. 20, 1947. Records available: 1944-74. Water levels affected by pumping.

414746071255601--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1973	6.07	July 30, 1973	6.74	Dec. 27, 1973	7.05	May 25, 1974	6.88
Feb. 23	5.79	Aug. 27	6.92	Jan. 26, 1974	7.05	June 22	6.94
Mar. 24	6.28	Sept. 22	7.09	Feb. 23	6.93	July 27	7.30
Apr. 24	6.27	Oct. 27	7.29	Mar. 23	6.78	Aug. 24	8.70
May 26	5.17	Nov. 23	7.48	Apr. 27	6.88	Dec. 27	7.64
June 23	6.47						

414939071260801. Local number Pro 1051. U.S. Rubber Co. 10 Eagle St., Providence. Drilled unused water-table well in sand and gravel of Pleistocene age, diam 10 in (25 cm), depth 82 ft (25 m), cased to 82 ft (25 m), open bottom. Lsd about 10 ft (3 m) above msl. MP floor of recorder shelter, 1.65 ft (0.50 m) above lsd. Highest water level 0.93 ft (0.28 m) below lsd, Jan. 2, 1974; lowest 16.10 ft (4.91 m) below lsd, Jan. 16, 1948. Records available: 1948-74. Water levels affected by pumping.

Lowest water level for the month, from recorder graph

Jan. 27, 1973	6.07	July 1, 1973	5.32	Jan. 18, 1974	4.19	Aug. 31, 1974	4.39
Feb. 2	5.54	Aug. 31	5.13	Feb. 9	4.00	Sept. 28	4.43
Mar. 15	5.25	Sept. 13	5.28	Apr. 12	4.23	Oct. 5	4.46
Apr. 1	5.25	Oct. 20	5.70	May 4	4.33	Nov. 16	4.24
May 3	4.90	Nov. 3	5.61	June 29	4.41	Dec. 14	3.92
June 30	5.33	Dec. 7	4.94	July 4	4.22		

Washington County

412214071394001. Local number Cha 18. U.S. Naval Auxiliary Air Station. Post Rd., near Charlestown. Drilled unused water-table well in sand and clay of Pleistocene age, diam 8 in (20 cm), depth 32 ft (10 m), cased to 32 ft (10 m), open bottom. Lsd about 26 ft (8 m) above msl. MP top of casing, at lsd. Highest water level 12.79 ft (3.90 m) below lsd, Apr. 25, 1953; lowest 21.63 ft (6.59 m) below lsd, Dec. 29, 1965. Records available: 1946-74.

Jan. 27, 1973	15.42	July 29, 1973	16.49	Jan. 26, 1974	15.11	July 27, 1974	18.97
Feb. 23	15.02	Aug. 27	17.09	Feb. 23	16.17	Aug. 24	19.86
Mar. 24	15.57	Sept. 22	18.17	Mar. 23	15.52	Sept. 28	20.23
Apr. 24	13.86	Oct. 27	19.28	Apr. 27	15.41	Oct. 26	20.44
May 26	14.99	Nov. 23	19.83	May 25	16.95	Nov. 23	20.78
June 23	16.39	Dec. 27	16.58	June 22	17.84	Dec. 27	19.79

413423071431901. Local number Exe 6. State Dept. of Agriculture and Conservation. Arcadia State Forest. Ten Rod Rd., near Millville. Dug unused water-table well in sand and gravel of Pleistocene age, diam 30 in (76 cm), depth 10 ft (3 m), cased with concrete to 10 ft (3 m), open bottom. Lsd about 130 ft (40 m) above msl. MP hole in east side of concrete cover, at lsd. Highest water level 3.27 ft (1.00 m) below lsd, Dec. 27, 1972; lowest 7.74 ft (2.36 m) below lsd, Sept. 27, 1957. Records available: 1948-74.

Jan. 27, 1973	3.93	July 29, 1973	5.91	Jan. 26, 1974	4.08	July 27, 1974	6.45
Feb. 23	4.25	Aug. 27	6.21	Feb. 23	3.64	Aug. 24	6.99
Mar. 24	4.31	Sept. 22	6.45	Mar. 23	3.55	Sept. 28	7.02
Apr. 24	4.60	Oct. 27	6.64	Apr. 27	4.84	Oct. 26	6.59
May 26	4.46	Nov. 23	6.57	May 25	5.46	Nov. 23	6.52
June 23	5.49	Dec. 27	3.81	June 22	5.53	Dec. 27	5.39

413307071323601. Local number Exe 16. State Dept. of Public Welfare. Dr. Joseph H. Ladd School, near Exeter. Dug unused water-table well in sand and gravel of Pleistocene age, diam 2 1/2 in (6.4 cm), depth 27 ft (8 m), cased to 27 ft (8 m), open bottom. Lsd 154.47 ft (47.08 m) above msl. MP top of casing, 1.78 ft (0.54 m) above lsd. Highest water level 7.38 ft (2.25 m) below lsd, Apr. 15, 1953; lowest 15.40 ft (4.69 m) below lsd, Oct. 30, 1957. Records available: 1946-74.

Jan. 27, 1973	8.74	July 30, 1973	10.72	Jan. 26, 1974	10.18	July 27, 1974	11.34
Feb. 23	8.79	Aug. 27	11.18	Feb. 23	9.64	Aug. 24	12.14
Mar. 24	9.25	Sept. 22	11.67	Mar. 23	9.68	Sept. 28	12.46
Apr. 24	8.88	Oct. 27	12.26	Apr. 27	9.24	Oct. 26	12.40
May 26	9.16	Nov. 23	12.54	May 25	9.79	Nov. 23	12.68
June 23	9.79	Dec. 29	11.31	June 22	10.51	Dec. 27	12.23

413148071281601. Local number Nok 255. Lawrence Smith. Pendar Rd., near Allston. Dug unused water-table well in sand and gravel of Pleistocene age, diam 24 in (61 cm), depth 14 ft (4 m), cased with concrete. Lsd about 50 ft (15 m) above msl. MP top edge of casing on west rim of well, at lsd. Highest water level 3.81 ft (1.16 m) below lsd, Mar. 26, 1968; lowest 12.33 ft (3.76 m) below lsd, Sept. 27, 1966. Records available: 1954-63, 1966-74.

Jan. 27, 1973	7.78	July 30, 1973	8.58	Jan. 26, 1974	7.31	July 27, 1974	9.75
Feb. 23	6.98	Aug. 27	9.05	Feb. 23	7.85	Aug. 24	10.69
Mar. 24	7.40	Sept. 22	9.55	Mar. 23	7.19	Sept. 28	10.94
Apr. 24	6.95	Oct. 27	9.85	Apr. 27	7.76	Oct. 26	9.68
May 26	7.20	Nov. 23	9.78	May 25	8.21	Nov. 23	9.93
June 23	8.40	Dec. 27	7.32	June 22	8.87	Dec. 27	9.00

413308071280501. Local number Nok 450. Richard S. Bannister. 890 Tower Hill Rd., Belleville. Dug unused water-table well in sand and gravel of Pleistocene age, diam 24 in (61 cm), depth 17 ft (5 m), cased with concrete. Lsd 60 ft (18 m) above msl. MP hole in top of wooden base, 2.80 ft (0.85 m) above lsd. Highest water level 9.85 ft (3.00 m) below lsd, June 24, 1972; lowest 16.45 ft (5.01 m) below lsd, Dec. 29, 1965. Records available: 1961-74.

413308071280501--Continued.

Date	Water level						
Jan. 27, 1973	11.31	July 30, 1973	13.32	Jan. 26, 1974	12.30	July 27, 1974	14.37
Feb. 23	10.75	Aug. 27	13.78	Feb. 23	11.91	Aug. 24	14.99
Mar. 24	11.35	Sept. 22	14.41	Mar. 23	11.87	Sept. 28	15.47
Apr. 24	10.77	Oct. 27	14.95	Apr. 27	11.77	Oct. 26	15.05
May 26	11.45	Nov. 23	15.08	May 25	12.68	Nov. 23	15.24
June 23	12.44	Dec. 27	13.79	June 22	13.30	Dec. 27	14.57

412717071415301. Local number Ric 231. N. D. MacLeod. Narragansett Trail, near Wood River Jct. Dug unused water-table well in sand and gravel of Pleistocene age, diam 30 in (76 cm), depth 29 ft (9 m), lined with stone. Lsd about 84 ft (26 m) above msl. MP hole in top of wooden cover, 0.36 ft (0.11 m) above lsd. Highest water level 20.65 ft (6.29 m) below lsd, May 23, 1958; lowest dry, several times, 1965-67. Records available: 1955-74.

Date	Water level						
Jan. 27, 1973	22.08	July 29, 1973	23.00	Jan. 26, 1974	24.31	July 27, 1974	24.96
Feb. 23	21.72	Aug. 27	23.73	Feb. 23	23.49	Aug. 24	25.74
Mar. 24	22.08	Sept. 22	24.40	Mar. 23	23.69	Sept. 28	26.56
Apr. 24	21.32	Oct. 27	25.29	Apr. 27	23.01	Oct. 26	27.02
May 26	21.71	Nov. 23	25.88	May 25	23.33	Nov. 23	27.51
June 23	21.97	Dec. 27	25.64	June 22	24.01	Dec. 27	27.64

412918071321001. Local number Sok 6. University of Rhode Island. Thirty Acre Rd., Kingston. Drilled unused water-table well in sand and gravel of Pleistocene age, diam 10 in (25 cm), depth 34 ft (10 m), cased to 34 ft (10 m), open bottom. Lsd 111.89 ft (34.10 m) above msl. MP floor of recorder shelter, 0.57 ft (0.17 m) above lsd (since July 12, 1973). Highest water level 7.92 ft (2.41 m) below lsd, Apr. 12, 13, 1958; lowest 15.06 ft (4.59 m) below lsd, Dec. 29, 1965. Records available: 1947, 1955-74. Recording gage installed July 12, 1973.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1973	10.44	July 30, 1973	12.19	Jan. 26, 1974	11.48	July 27, 1974	13.43
Feb. 23	10.26	Aug. 27	12.70	Feb. 23	11.38	Aug. 24	14.04
Mar. 24	10.69	Sept. 22	13.27	Mar. 23	11.37	Sept. 28	14.30
Apr. 24	9.98	Oct. 27	13.81	Apr. 27	11.30	Oct. 26	14.43
May 26	10.57	Nov. 23	14.06	May 25	12.08	Nov. 23	14.63
June 23	11.54	Dec. 27	12.50	June 22	12.71	Dec. 27	13.93

412923071361601. Local number Sok 515. R. R. Holley. Laurel Lane Golf Course, near West Kingston. Dug unused water-table well in sand and gravel of Pleistocene age, diam 36 in (91 cm), depth 30 ft (9 m), lined with stone. Lsd 127.84 ft (38.97 m) above msl. MP top edge of concrete casing on south rim of well, 2.03 ft (0.62 m) above lsd. Highest water level 24.36 ft (7.43 m) below lsd, Apr. 18, 1958, Mar. 26, 1968; lowest 30.11 ft (9.18 m) below lsd, Oct. 25, 1969. Records available: 1955-74.

Date	Water level						
Jan. 27, 1973	25.70	July 30, 1973	27.39	Jan. 26, 1974	25.87	July 27, 1974	28.54
Feb. 23	25.59	Aug. 27	27.74	Feb. 23	26.23	Aug. 24	29.26
Mar. 24	26.09	Sept. 22	28.27	Mar. 23	26.47	Sept. 28	29.32
Apr. 24	25.37	Oct. 27	28.74	Apr. 27	26.12	Oct. 26	29.05
May 26	25.80	Nov. 23	28.76	May 25	27.07	Nov. 23	29.14
June 23	26.38	Dec. 27	27.10	June 22	27.74	Dec. 27	28.18

4121540714462901. Local number Wes 522. S. Panciera. Pound Rd., near Dunn Corner. Dug unused water-table well in sand and gravel of Pleistocene age, diam 30 in (76 cm), depth 16 ft (5 m), lined with stone. Lsd about 45 ft (14 m) above msl. MP southwest corner of stone casing, 0.91 ft (0.28 m) above lsd. Highest water level 10.34 ft (3.15 m) below lsd, Dec. 27, 1972; lowest 14.39 ft (4.39 m) below lsd, Aug. 25, 1971. Records available: 1969-74.

Date	Water level						
Jan. 25, 1969	12.50	Oct. 24, 1970	13.52	Mar. 26, 1972	10.63	Aug. 27, 1973	12.49
Feb. 27	12.41	Nov. 23	11.70	Apr. 22	11.22	Sept. 22	13.09
Mar. 26	11.68	Dec. 28	11.49	May 27	11.36	Oct. 27	13.31
Apr. 25	11.41	Jan. 23, 1971	11.94	June 24	10.43	Nov. 23	13.42
May 24	12.25	Feb. 20	12.08	July 22	11.73	Dec. 27	11.31
June 25	13.09	Mar. 27	11.44	Aug. 24	12.73	Jan. 26, 1974	10.75
July 28	13.71	Apr. 24	11.89	Sept. 23	12.93	Feb. 23	11.09
Aug. 26	13.83	May 24	11.76	Oct. 28	12.85	Mar. 23	11.09
Sept. 25	14.00	June 26	12.72	Nov. 25	11.34	Apr. 27	11.63
Oct. 25	13.81	July 24	12.08	Dec. 27	10.34	May 25	12.20
Nov. 22	12.65	Aug. 25	14.39	Jan. 27, 1973	11.34	June 22	12.59
Dec. 29	10.40	Sept. 25	14.21	Feb. 24	11.22	July 27	13.36
Jan. 24, 1970	11.81	Oct. 25	14.11	Mar. 24	11.56	Aug. 24	14.03
Feb. 21	11.49	Nov. 26	13.67	Apr. 21	11.08	Sept. 28	13.81
Mar. 27	11.48	Dec. 27	12.48	May 26	11.38	Oct. 26	13.58
Apr. 25	11.08	Jan. 22, 1972	11.98	June 23	12.33	Nov. 23	13.60
Aug. 28	13.79	Feb. 25	11.56	July 29	11.93	Dec. 27	12.36
Sept. 24	13.71						

VERMONT

The observation-well program in Vermont was continued during the 1973 through 1974 period in co-operation with the Vermont Department of Water Resources. Figure 14 shows the location of the observation wells included in this report.

Well-Numbering System

The first number shown is the new national well-numbering system represented by the latitude and longitude coordinates of the well location, as explained on page 1. Local well numbers, designated by town or city name and serial numbers assigned within each city or town, have been continued in this report for the convenience of local users and for easy reference to previously published data.

Well Descriptions and Water-Level Measurements

Water levels are reported in feet below land surface datum, unless otherwise indicated.

Bennington County

424810073160401. Local number Pownal 1. Robert Rudd, Sr. At North Pownal. Dug unused water-table well in sand and gravel, diam 24 in (61 cm), depth 18 ft (5 m), cased with stone. Lsd about 515 ft (157 m) above msl. MP top of 3/4-in (1.9-cm) diam hole drilled in center of 3/8-in (0.37-cm) thick steel cover, at lsd. Highest water level 10.88 ft (3.32 m) below lsd, Apr. 9, 1970; lowest 16.59 ft (5.06 m) below lsd, Oct. 19, 1964. Records available: 1964-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7, 1973	12.03	July 29, 1973	13.70	Jan. 25, 1974	12.67	Aug. 6, 1974	14.04
25	12.91	Aug. 24	14.16	Feb. 23	12.62	14	14.47
Feb. 25	13.20	Sept. 18	14.92	Mar. 15	13.20	24	14.21
Mar. 23	12.02	26	15.08	23	12.11	Sept. 10	14.73
Apr. 22	13.07	Oct. 27	15.85	Apr. 26	12.58	21	13.67
May 13	13.54	Nov. 24	15.08	May 24	12.94	Oct. 24	13.92
23	13.38	Dec. 15	13.57	June 22	13.50	Nov. 27	13.51
June 24	13.70	22	13.28	July 29	14.00	Dec. 15	13.27
July 15	13.55						

Chittenden County

443646073124901. Local number Milton 3. U.S. Geol. Survey. At Sandbar Waterfowl Development Area, near Milton. Driven observation water-table well in glacial sand and gravel of Pleistocene age, diam 1 $\frac{1}{2}$ in (3.2 cm), depth 40 ft (12 m), well point 38-40 ft (11.6-12.2 m). Lsd about 160 ft (49 m) above msl. MP top of casing, 4.00 ft (1.22 m) above lsd. Highest water level 21.97 ft (6.70 m) below lsd, May 29, 1974; lowest 37.82 ft (11.53 m) below lsd, Feb. 26, 1965. Records available: 1956-74.

Date	Water level						
Jan. 26, 1973	33.16	July 27, 1973	22.50	Jan. 28, 1974	26.66	July 26, 1974	23.65
Feb. 26	31.23	Aug. 24	24.09	Feb. 25	26.37	Aug. 26	25.45
Mar. 26	28.58	Sept. 24	25.94	Mar. 25	27.05	Sept. 26	27.38
Apr. 26	25.45	Oct. 26	27.62	Apr. 25	25.02	Oct. 29	29.23
May 29	24.65	Nov. 27	29.13	May 29	21.97	Nov. 25	30.61
June 26	22.62	Dec. 20	29.79	June 24	22.05	Dec. 26	31.95

Essex County

444731071514701. Local number Brighton 1. U.S. Geol. Survey. Island Pond. At Brighton State Park Beach, south of the road and just west of the parking lot. Augered observation water-table well in medium and coarse sand, diam 1 $\frac{1}{2}$ in (3.2 cm), depth 35 ft (11 m), well point 33-35 ft (10-11 m). Lsd about 1,180 ft (360 m) above msl. MP top of casing, 4.00 ft (1.22 m) above lsd. Highest water level 1.94 ft (0.59 m) below lsd, Apr. 25, 1974; lowest 4.80 ft (1.46 m) below lsd, July 27, 1970. Records available: 1966-74.

Date	Water level						
Jan. 26, 1973	3.39	July 27, 1973	3.85	Feb. 25, 1974	3.63	Aug. 26, 1974	4.50
Feb. 26	3.91	Aug. 24	4.27	Mar. 25	3.68	Sept. 22	4.37
Mar. 26	3.03	Sept. 24	3.84	Apr. 25	1.94	Oct. 26	4.36
Apr. 26	2.86	Oct. 26	3.96	May 29	2.69	Nov. 22	3.50
May 29	3.14	Nov. 27	3.55	June 24	3.80	Dec. 20	3.20
June 26	2.87	Jan. 28, 1974	3.59	July 26	4.07		

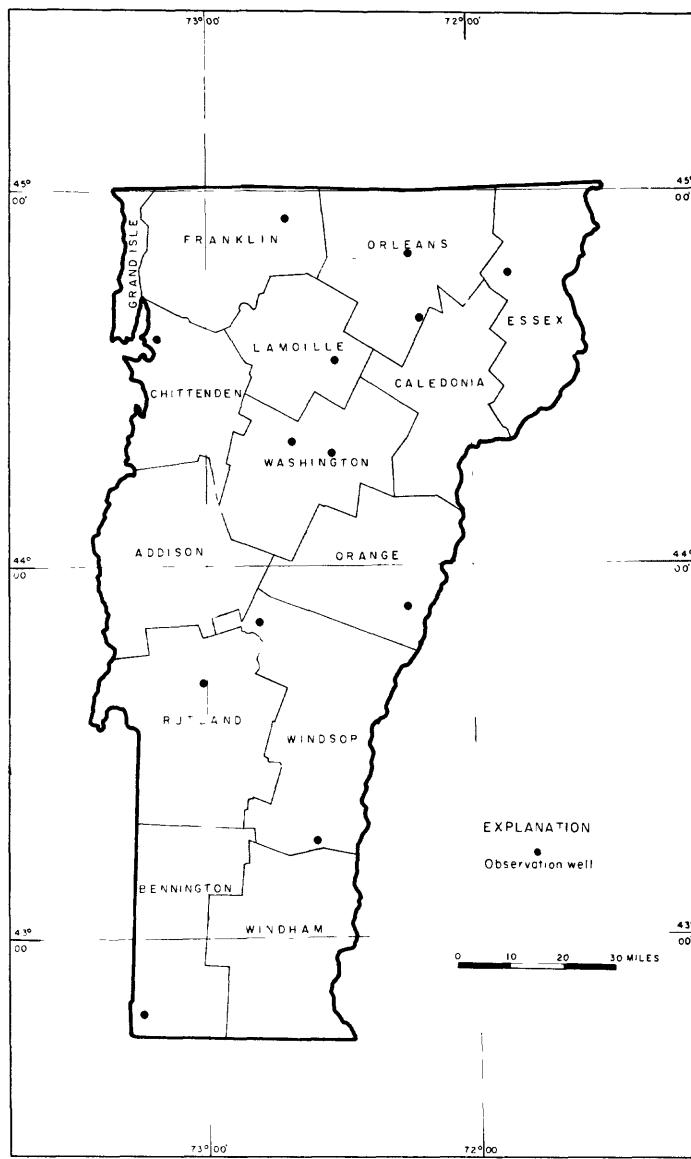


Figure 14.--Location of observation wells in Vermont, 1973-74.

Franklin County

445603072422901. Local number Berkshire 1. U.S. Geol. Survey. On Rte. 118 R.O.W., southeast end of bridge over Missisquoi River, East Berkshire. Augered observation water-table well in fine sand and gravel, diam 1 $\frac{1}{2}$ in (3.2 cm), depth 51 ft (16 m), well point 49-51 ft (15-16 m). Lsd about 425 ft (130 m) above msl. MP top of casing, 4.00 ft (1.22 m) above lsd. Highest water level 10.15 ft (3.09 m) below lsd, Apr. 25, 1974; lowest 15.98 ft (4.87 m) below lsd, Sept. 25, 1968. Records available: 1966-74.

Date	Water level						
Jan. 26, 1973	11.06	July 27, 1973	15.25	Jan. 28, 1974	12.22	July 26, 1974	14.68
Feb. 26	13.64	Aug. 24	15.83	Feb. 25	12.94	Aug. 26	15.49
Mar. 26	12.73	Sept. 24	13.80	Mar. 25	13.63	Sept. 26	14.94
Apr. 26	13.22	Oct. 26	15.06	Apr. 25	10.15	Oct. 29	15.35
May 29	13.11	Nov. 27	14.06	May 29	12.10	Nov. 25	12.80
June 26	13.61	Dec. 20	12.61	June 24	14.63	Dec. 26	14.54

Lamoille County

413405072322501. Local number Morristown 1. U.S. Geol. Survey. Vermont Hwy. Dept. of Rte. 15, approximately 3 mi (5 km) east of Morrisville. Augered observation water-table well in silty-fine to medium sand, diam 1 $\frac{1}{2}$ in (3.2 cm), depth 50 ft (15 m), well point 48-50 ft (14.6-15.2 m). Lsd approximately 660 ft (201 m) above msl. MP top of casing, approximately 4.00 ft (1.22 m) above lsd. Highest water level 16.26 ft (4.96 m) below lsd, Apr. 24, 1969; lowest 20.33 ft (6.20 m) below lsd, Sept. 25, 1968. Records available: 1966-74.

Date	Water level						
Jan. 26, 1973	17.92	July 27, 1973	18.11	Jan. 28, 1974	17.71	July 26, 1974	19.06
Feb. 26	18.78	Aug. 24	19.10	Feb. 25	18.13	Aug. 26	19.58
Mar. 26	17.47	Sept. 24	18.72	Mar. 25	18.45	Sept. 26	19.80
Apr. 26	17.47	Oct. 26	19.17	Apr. 25	16.85	Oct. 29	19.87
May 29	17.16	Nov. 27	18.85	May 29	16.85	Nov. 25	18.92
June 26	17.25	Dec. 20	17.64	June 24	18.26	Dec. 26	19.19

Orange County

43534072072151801. Local number West Fairlee 1. U.S. Geol. Survey. At Vermont Hwy. Dept. garage, 60 ft (18 m) west of salt shed, approximately 1.3 mi (2.1 km) south-southeast of West Fairlee Village. Augered observation water-table well in sand, diam 1 $\frac{1}{2}$ in (3.2 cm), depth 54 ft (16 m), well point 52-54 ft (15.9-16.5 m). Lsd approximately 700 ft (213 m) above msl. MP top of casing, approximately 2.00 ft (0.61 m) above lsd. Highest water level 0.88 ft (0.27 m) below lsd, Apr. 24, 1969; lowest 5.43 ft (1.66 m) below lsd, Nov. 18, 1970. Records available: 1966-74.

Date	Water level						
Jan. 26, 1973	2.65	July 26, 1973	2.79	Jan. 28, 1974	2.70	July 25, 1974	4.22
Feb. 26	3.11	Aug. 27	4.09	Feb. 25	2.16	Aug. 25	4.81
Mar. 26	1.27	Sept. 24	4.53	Mar. 25	1.98	Sept. 25	4.36
Apr. 26	2.20	Oct. 26	4.81	Apr. 25	1.33	Oct. 28	4.34
May 29	2.08	Nov. 27	4.50	May 28	2.21	Nov. 22	3.91
June 25	2.92	Dec. 20	3.87	June 24	3.24	Dec. 26	3.98

Orleans County

443952072114001. Local number Glover 1. U.S. Geol. Survey. Vermont Hwy. Dept. salt shed off Rte. 16, south of Glover Village. Augered observation water-table well in sand and gravel, diam 1 $\frac{1}{2}$ in (3.2 cm), depth 82 ft (25 m), sand point 80-82 ft (24-25 m). Lsd approximately 1,200 ft (366 m) above msl. MP top of casing, approximately 4.00 ft (1.22 m) above lsd. Highest water level 12.11 ft (3.69 m) below lsd, May 23, 1969; lowest 18.95 ft (5.78 m) below lsd, Mar. 28, 1967. Records available: 1966-74.

Date	Water level						
Jan. 26, 1973	16.85	July 27, 1973	14.26	Jan. 28, 1974	15.54	July 26, 1974	15.15
Feb. 26	16.95	Aug. 24	15.39	Feb. 25	15.74	Aug. 26	16.02
Mar. 26	15.77	Sept. 24	15.53	Mar. 25	16.05	Sept. 26	16.45
Apr. 26	13.77	Oct. 26	15.94	Apr. 25	13.47	Oct. 29	17.15
May 29	13.17	Nov. 27	16.22	May 29	12.72	Nov. 25	17.12
June 26	13.32	Dec. 20	15.87	June 24	14.49	Dec. 26	16.97

44505072072155201 (revised). Local number Iraburg 1. Normand Beaulieu. Near Iraburg. Dug unused water-table well in glacial till of Pleistocene age, diam 30 in (76 cm), depth 15 ft (5 m), lined with stone. Lsd about 910 ft (277 m) above msl. MP top edge of notch chiseled in top of concrete well curb, on east side, 0.50 ft (0.15 m) above lsd. Highest water level 0.79 ft (0.24 m) below lsd, May 1, 1971; lowest 13.4 ft (4.1 m) below lsd, Nov. 12, 1964. Records available: 1964-74.

Date	Water level						
Jan. 26, 1973	3.45	July 27, 1973	7.35	Jan. 28, 1974	5.20	July 26, 1974	5.57
Feb. 26	7.35	Aug. 27	7.72	Feb. 25	8.45	Aug. 26	6.28
Mar. 26	3.84	Sept. 24	6.23	Mar. 25	7.51	Sept. 26	5.87
Apr. 26	5.48	Oct. 26	6.23	Apr. 25	2.57	Oct. 29	6.77
May 29	4.57	Nov. 27	4.75	May 29	3.07	Nov. 25	3.69
June 26	4.83	Dec. 20	5.02	June 24	5.13	Dec. 26	5.90

Rutland County

434217073010601. Local number Pittsford 8. U.S. Geol. Survey. In St. Alphonsus Cemetery, near Pittsford. Bored and driven observation water-table well in glacial sand of Pleistocene age, diam $1\frac{1}{4}$ in (3.2 cm), depth 42 ft (13 m), well point 40-42 ft (12-13 m). Lsd about 490 ft (149 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 35.30 ft (10.76 m) below lsd, May 29, 1973; lowest 39.59 ft (12.07 m) below lsd, Oct. 18, 1957. Records available: 1957-74.

Date	Water level						
Jan. 26, 1973	35.80	July 26, 1973	35.54	Jan. 28, 1974	35.93	July 25, 1974	35.77
Feb. 26	35.72	Aug. 24	35.83	Feb. 26	35.72	Aug. 25	35.20
Mar. 26	35.37	Sept. 24	36.21	Mar. 25	35.73	Sept. 25	36.65
Apr. 26	35.46	Oct. 26	36.31	Apr. 25	35.37	Oct. 28	35.72
May 29	35.30	Nov. 27	36.45	May 28	35.44	Nov. 22	35.85
June 25	35.50	Dec. 20	36.70	June 24	35.55	Dec. 26	35.60

Washington County

441829072413901. Local number Middlesex 3. U.S. Geol. Survey. At Vermont Hwy. Dept. garage area adjacent to salt shed, off U.S. Rte. 2. Augered observation water-table well in sand and gravel, diam $1\frac{1}{4}$ in (3.2 cm), depth 50 ft (15 m), well point 48-50 ft (14.6-15.2 m). Lsd approximately 460 ft (140 m) above msl. MP top of casing, at lsd. Highest water level 16.89 ft (5.15 m) below lsd, Apr. 24, 1969; lowest 23.49 ft (7.16 m) below lsd, Sept. 25, 1968. Records available: 1966-74.

Date	Water level						
Jan. 26, 1973	18.95	Aug. 27, 1973	22.92	Jan. 28, 1974	19.25	Aug. 26, 1974	22.86
Apr. 26	20.03	Sept. 24	21.27	Feb. 26	19.65	Sept. 25	21.92
May 29	19.88	Oct. 26	21.93	May 28	19.35	Oct. 28	22.43
June 25	20.23	Nov. 27	21.56	June 24	21.82	Nov. 22	20.94
July 26	22.35	Dec. 20	20.87	July 25	21.99	Dec. 26	21.82

441552072341901. Local number Montpelier 2. U.S. Geol. Survey. At 9 Winter St., Montpelier. Augered observation water-table well in medium to coarse sand, diam $1\frac{1}{4}$ in (3.2 cm), depth 26 ft (8 m), well point 24-26 ft (7-8 m). Lsd approximately 520 ft (159 m) above msl. MP top of casing, approximately 2.00 ft (0.61 m) above lsd. Highest water level 11.09 ft (3.38 m) below lsd, Apr. 24, 1969; lowest 16.74 ft (5.10 m) below lsd, Sept. 26, 1972. Records available: 1966-74.

Date	Water level						
Jan. 26, 1973	14.27	July 27, 1973	14.35	Jan. 28, 1974	14.99	July 25, 1974	14.85
Feb. 26	15.30	Aug. 24	15.70	Feb. 25	14.86	Aug. 26	15.93
Mar. 26	12.57	Sept. 24	15.40	Mar. 25	14.77	Sept. 25	15.92
Apr. 26	12.81	Oct. 26	15.77	Apr. 25	12.44	Oct. 29	16.00
May 29	12.86	Nov. 27	15.37	May 29	13.55	Nov. 25	15.27
June 26	12.53	Dec. 20	14.89	June 24	14.85	Dec. 26	15.38

Windsor County

431551072350601. Local number Chester 1. U.S. Geol. Survey. At Vermont Hwy. Dept. salt shed southeast of Chester. Augered observation water-table well in sand, diam $1\frac{1}{4}$ in (3.2 cm), depth 22 ft (7 m), well point 20-22 ft (6-7 m). Lsd approximately 580 ft (177 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 2.53 ft (0.77 m) below lsd, Mar. 26, 1973; lowest 6.31 ft (1.92 m) below lsd, Sept. 28, 1967. Records available: 1966-74.

Date	Water level						
Jan. 26, 1973	3.72	July 26, 1973	5.55	Jan. 28, 1974	3.82	July 25, 1974	5.95
Feb. 26	5.01	Aug. 24	6.03	Feb. 26	4.78	Aug. 25	6.21
Mar. 26	2.53	Sept. 24	5.86	Mar. 25	3.74	Sept. 25	5.53
Apr. 26	4.25	Oct. 26	6.05	Apr. 25	3.69	Oct. 28	5.43
May 29	3.47	Nov. 27	5.82	May 28	4.55	Nov. 22	4.41
June 25	5.44	Dec. 20	5.40	June 24	5.40	Dec. 26	5.31

435129072483301. Local number Rochester 1. U.S. Geol. Survey. At Vermont Hwy. Dept. garage adjacent salt shed, approximately 1.3 mi (2.1 km) south of Rochester Village. Augered observation water-table well in sand, diam $1\frac{1}{4}$ in (3.2 cm), depth 73 ft (22 m), well point 71-73 ft (21.6-22.3 m). Lsd approximately 800 ft (244 m) above msl. MP top of casing, approximately 4.00 ft (1.22 m) above lsd. Highest water level 4.50 ft (1.37 m) below lsd, Mar. 26, 1968; lowest 13.00 ft (3.96 m) below lsd, Oct. 26, 1973. Records available: 1966-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26, 1973	8.36	July 26, 1973	11.41	Jan. 28, 1974	8.86	July 25, 1974	11.88
Feb. 26	11.15	Aug. 27	12.59	Feb. 26	9.26	Aug. 25	11.76
Mar. 26	6.65	Sept. 24	12.87	Mar. 25	10.74	Sept. 25	9.95
Apr. 26	8.91	Oct. 26	13.00	Apr. 25	6.63	Oct. 28	11.52
May 29	8.42	Nov. 27	12.26	May 28	8.80	Nov. 22	9.55
June 25	9.98	Dec. 20	11.04	June 24	11.45	Dec. 26	11.12